

## Mouse CT26 Reporter Cell Lines

Catalog Number	Product Name	Amount
<a href="#"><u>SC061-R</u></a>	Mouse CT26 / <b>RFP</b> Stable Cells	1.0 ml / vial  (3~5 x 10 <sup>6</sup> cells) in 90% completed medium, 10% DMSO
<a href="#"><u>SC061-G</u></a>	Mouse CT26 / <b>GFP</b> Stable Cells	
<a href="#"><u>SC061-LG</u></a>	Mouse CT26 / ( <b>Luciferase</b> & <b>GFP</b> ) Stable Cells	
<a href="#"><u>SC061-LR</u></a>	Mouse CT26 / ( <b>Luciferase</b> & <b>RFP</b> ) Stable Cells	

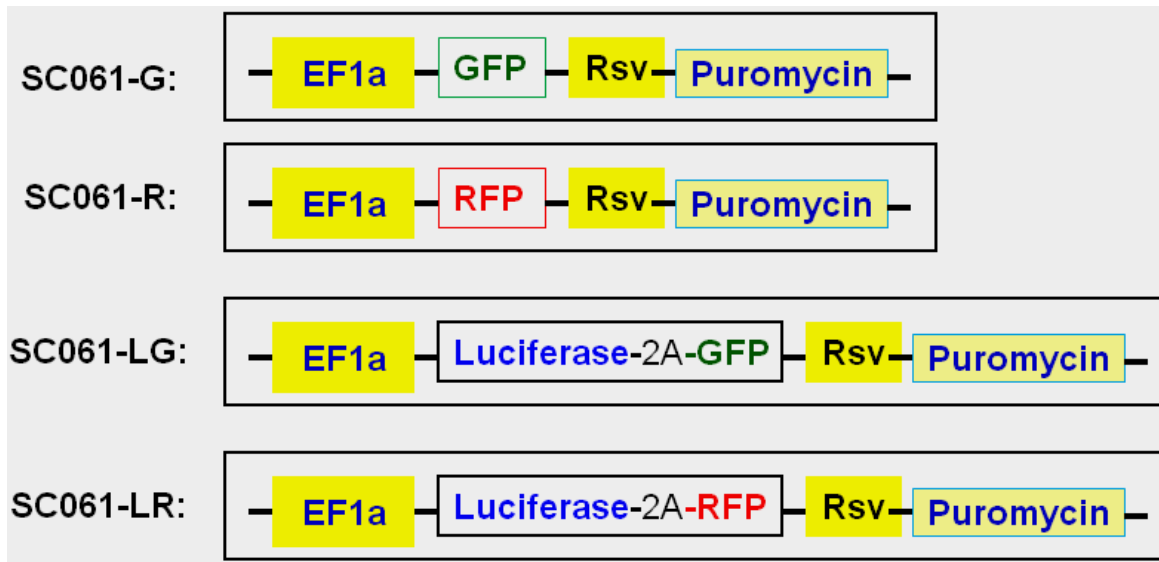
### Product Description

The mouse **CT26** cell line was established from mouse colon carcinoma cell, induced in Balb/c mice by an N-nitroso-N-methylurethane-(NNMU), undifferentiated colon carcinoma cell line, adhesive cells. The cell line was used as a model for therapeutic antitumor response testing or immunotherapy studies.

Amsbio generates four signal reporter cell lines from this mouse CT26 host cells, transformed by lentivirus transduction, carry a **Puromycin**-resistance. Each cell line stably expresses a fluorescent reporter (**GFP** or **RFP**) or co-expresses firefly luciferase and fluorescent dual reporters (**Luc** / **GFP** or **Luc** / **RFP**), mediated by the 2A element under the same EF1a promoter.

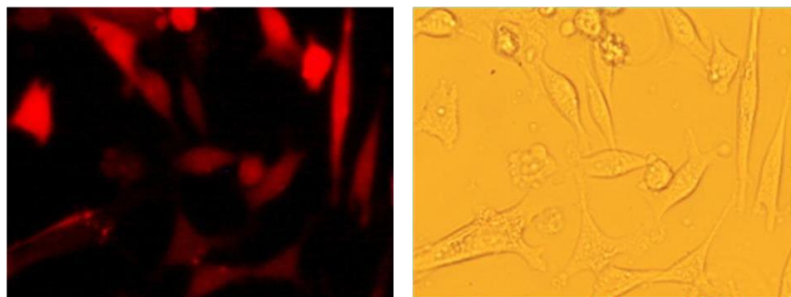
Those reporter cell lines can be tracked in vivo by fluorescent signal or chem-iluminescence, providing convenient tools for studying the mechanisms of tumor growth and metastasis, and as the therapeutic model for evaluating various treatment effects in animal.

The report(s) is constitutively expressed at high-levels under the Enhance EF1a promoter. The expression cassette was integrated into each cell's genome (see the scheme below).

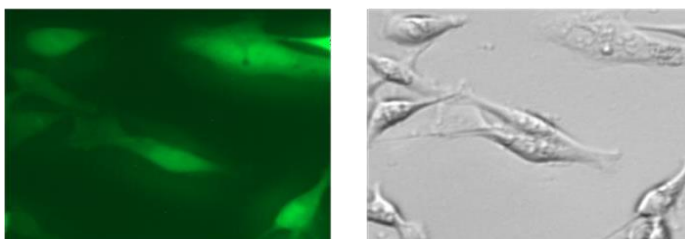


The cell line demonstrates strong GFP or RFP fluorescent signal under microscope, at filter wavelength Ex/EM: 460nm/ 525nm or 575nm / 610nm, for GFP or RFP respectively. (see image below). **Note:** This cell line is the pool of multiple cell clones and the fluorescent signal intensity is different among cells.

**SC061-R:** Mouse CT26/ RFP Stable Cells



**SC061-G:** Mouse CT26/ GFP Stable Cells



For **SC061-LG** and **SC061-LR** cell lines, the cells express both fluorescent reporter and the firefly luciferase whose luminescence signal can be detected, *in vitro* and *in vivo*, by luciferase assay via the D-luciferin substrate.

### Culture procedures

1. Thaw the frozen vial of cells quickly in a 37°C water bath (1~3min), decontaminate the outside of the vial with 70% ethanol.
2. Transfer the entire contents of the cryovial into a T-75 cm<sup>2</sup> flask containing 20 ml of pre-warmed complete medium. Incubate the cells overnight in a 37°C incubator, 5% CO<sub>2</sub>.
3. The following day, replace the medium with 20 ml of prewarmed, complete medium.
4. Incubate the cells and monitor cell density.
5. Pass cells (1:10 dilution) when the culture reaches 80-90% confluent.
6. Freeze cells at a density of  $3 \times 10^6$  cells/ml using 90% complete medium with 10% DMSO.

### Complete medium

- RPMI-1640
- 5 ml Hepes
- 2mM Glutamine,
- 10% Fetal Bovine Serum (FBS), heat inactivated;
- 1% Pen-strep (or 1% Antibiotic/antmycotic);
- Optional to add: final **25 ug/ml** of Puromycin (Note: do not add puromycin at 1st thaw culture. This final Puromycin concentration is also depend on the potency of puromycin)

### Quality Control

Each vial contains  $\sim 2 \times 10^6$  cells with >95% viability before freezing. Cells are verified to be free of bacteria, viruses, and mycoplasma.

### Warranty and user terms

1. This product is warranted to perform as described when used in accordance with this manual. Amsbio, Inc. MAKES NO REPRESENTATIONS AND EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED. Amsbio's sole remedy for breach of warranty should be, at the option of Amsbio, to repair or replace the product if this product does not meet the stated quality standard.

2. By paying the purchase price, the buyer is granted a non-transferable, non-exclusive license to use the product. This product is sold **for research and development purposes only**.
3. This product is limited to the laboratory that the product is delivered to. This Product is not for resale, distribution, or transfer for any purpose, including transfer of the Product as a component of any products. Amsbio will retain all rights for this Product's license and other intellectual property.
4. This Product should be used only for non-profit purposes, including any products and services usages. Furthermore, **research use only** means that this product is excluded, without limitation, from resale, repackaging, or modification for the purpose of making or selling of any commercial products or services without the written approval of Amsbio. You may contact our Business Development department at support@Amsbio.com for product proprietary information.
5. Amsbio is not liable, and does not have any responsibility or liability, whatsoever for any direct and indirect, consequential, or other damages resulting from using this Product.
6. Amsbio **do not** provide the protected reporter's sequences information for all our cell line products unless a license was purchased.

**Attachment:** Amsbio' s pre-made stable cell line list:

<b>Catalog #</b>	<b>Product Name</b>
<a href="#">TLV-C</a>	HEK293-TLV lentivirus packing cells
<a href="#">SC001</a>	HEK293-GFP stable cells
<a href="#">SC002-Bsd</a>	luciferase (firefly), HEK293 stable cells (Blasticidin)
<a href="#">SC002-GB</a>	luciferase (firefly), HEK293 stable cells (GFP-Blasticidin)
<a href="#">SC002-GP</a>	luciferase (firefly), HEK293 stable cells (GFP-Puromycin)
<a href="#">SC002-Neo</a>	luciferase (firefly), HEK293 stable cells (Neomycin)
<a href="#">SC002-Puro</a>	luciferase (firefly), HEK293 stable cells (Puromycin)
<a href="#">SC002-RB</a>	luciferase (firefly), HEK293 stable cells (RFP, Blasticidin)
<a href="#">SC002-RP</a>	luciferase (firefly), HEK293 stable cells (RFP-Puromycin)
<a href="#">SC002T-RP</a>	HEK293T / Luciferase stable cells (RFP-Puromycin)

<a href="#">SC003</a>	LacZ (6His, RFP) / HEK293 Expression stable cell line
<a href="#">SC004-Bsd</a>	CRE Expression / HEK293 Cell Line (Bsd)
<a href="#">SC004-GP</a>	CRE Expression / HEK293 Cell Line (GFP, Puro)
<a href="#">SC004-Neo</a>	CRE Expression / HEK293 Cell Line (Neo)
<a href="#">SC004-Puro</a>	CRE Expression / HEK293 Cell Line (Puro)
<a href="#">SC004-RB</a>	CRE Expression / HEK293 Cell Line (RFP, Bsd)
<a href="#">SC004-RP</a>	CRE Expression / HEK293 Cell Line (RFP, Puro)
<a href="#">SC005-Bsd</a>	HEK293-TetR (Bsd)
<a href="#">SC005-GB</a>	HEK293-TetR (GFP-Bsd)
<a href="#">SC005-Hygro</a>	HEK293-TetR (Hygro)
<a href="#">SC005-Neo</a>	HEK293-TetR (Neo)
<a href="#">SC005-Puro</a>	HEK293-TetR (Puro)
<a href="#">SC005-RB</a>	HEK293-TetR (RFP-Bsd)
<a href="#">SC005-RP</a>	HEK293-TetR (RFP-Puro)
<a href="#">SC006</a>	Flp recombinase Expression HEK293 stable cell
<a href="#">SC007</a>	HEK293-RFP stable cells
<a href="#">SC008</a>	GFP-LacZ & RFP Expression HEK293 Cell Line
<a href="#">SC009</a>	GFP & RFP / HEK293 stable cells
<a href="#">SC010</a>	HEK293-CFP stable cells
<a href="#">SC011</a>	HEK293-YFP stable cells
<a href="#">SC012</a>	TAT Expression / HEK293 Cell Line
<a href="#">SC013</a>	Glutamine Synthetase (6His) Expression HEK293 Cell Line
<a href="#">SC014</a>	human P53 Inducible Expression Cell line
<a href="#">SC015</a>	Human OCT3/4 Expression Stable cells

<a href="#">SC016</a>	Human LIN28 Expression stable cells
<a href="#">SC017</a>	MDA-MB-231 / niRFP (Puro) Stable Cell Line
<a href="#">SC018-Bsd</a>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Bsd)
<a href="#">SC018-Neo</a>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Neo)
<a href="#">SC018-Puro</a>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Puro)
<a href="#">SC019</a>	Firefly & Renilla Dual Luciferase Hela Cell Line
<a href="#">SC020-Puro</a>	luciferase (Renilla), HEK293 stable cells (Puromycin)
<a href="#">SC020-RP</a>	luciferase (Renilla), HEK293 stable cells (RFP-Puromycin)
<a href="#">SC021-GB</a>	Luciferase (firefly) & CRE Expression cell line (GFP-Bsd)
<a href="#">SC021-Puro</a>	Luciferase (firefly) & CRE Expression stable cell line (Puro)
<a href="#">SC021-RP</a>	Luciferase (firefly) & CRE Expression cell line (RFP-Puro)
<a href="#">SC022-RB</a>	HEK293-CFTR cell line with RFP and Blasticidin dual marker
<a href="#">SC023-RB</a>	HEK293-CLCN2 cell line with RFP and Blasticidin dual marker
<a href="#">SC024-RB</a>	HEK293-TRPC3 cell line with RFP and Puromycin dual marker
<a href="#">SC025-RB</a>	HEK293-KCNN4 cell line with RFP and Puromycin dual marker
<a href="#">SC026-RB</a>	HEK293-ATP2B2 cell line with RFP and Puromycin dual marker
<a href="#">SC027-RB</a>	HEK293-TRPV1 cell line with RFP and Puromycin dual marker
<a href="#">SC028</a>	Inducible RFP HEK293 Expression cell line
<a href="#">SC029</a>	inducible RFP HEK293 stable cell line with GFP marker
<a href="#">SC030</a>	inducible GFP HEK293 stable cell line with RFP marker
<a href="#">SC031-Puro</a>	Hela-RFP Expression Cells
<a href="#">SC032-Bsd</a>	Luciferase (firefly) Expression Hela cells (Bsd)
<a href="#">SC032-GB</a>	Luciferase & GFP Expression Hela cells (Bsd)

<a href="#">SC032-GN</a>	Luciferase & GFP Expression Hela cells (Neo)
<a href="#">SC032-GP</a>	Luciferase & GFP Expression Hela cells (Puro)
<a href="#">SC032-Puro</a>	Luciferase (firefly) Expression Hela cells (Puro)
<a href="#">SC032-RB</a>	Luciferase & RFP Expression Hela cells (Bsd)
<a href="#">SC032-RN</a>	Luciferase & RFP Expression Hela cells (Neo)
<a href="#">SC032-RP</a>	Luciferase & RFP Expression Hela cells (Puro)
<a href="#">SC033</a>	Inducible GFP HEK293 stable cell line
<a href="#">SC034-Bsd</a>	Hela-GFP stable cells (Blasticidin)
<a href="#">SC034-Puro</a>	Hela-GFP stable cells (Puromycin)
<a href="#">SC035-Puro</a>	TetR Expression (Puro) / Hela stable cells
<a href="#">SC036</a>	Inducible GFP Expression Hela cell line
<a href="#">SC037</a>	Inducible RFP Expression Hela cell line
<a href="#">SC038-GB</a>	rtTA (GFP-Bsd) / Hela stable cells
<a href="#">SC038-GP</a>	rtTA (GFP-Puro) / Hela stable cells
<a href="#">SC038-RB</a>	rtTA (RFP-Bsd) / Hela stable cells
<a href="#">SC039-Bsd</a>	CHO-GFP stable cells (Blasticidin)
<a href="#">SC039-Puro</a>	CHO-GFP stable cells (Puromycin)
<a href="#">SC040-Bsd</a>	MDA-MB-231 / GFP (Bsd) Stable Cell Line
<a href="#">SC040-Puro</a>	MDA-MB-231 / GFP (Puro) Stable Cell Line
<a href="#">SC040-TetR</a>	MDA-MB-231 / TetR (Puro) stable cells
<a href="#">SC041</a>	MDA-MB-231 / Luciferase-2A-RFP Stable Cell Line
<a href="#">SC042</a>	SH-SY5Y / GFP (Puromycin) stable cell line
<a href="#">SC043-Bsd</a>	A549 / GFP stable cells (Blasticidin)
<a href="#">SC043-Cas9-GP</a>	A549 / Cas9 (GFP-Puro) Stable Cell Line

<a href="#">SC043-Cas9-Puro</a>	A549 / Cas9 (Puro) Stable Cell Line
<a href="#">SC043-Cas9-RP</a>	A549 / Cas9 (RFP-Puro) Stable Cell Line
<a href="#">SC043-LG</a>	A549 / Luciferase-2A-GFP (Puromycin) stable cell line
<a href="#">SC043-Luc</a>	A549 / Luciferase (Puromycin) stable cell line
<a href="#">SC043-TetR</a>	A549 / TetR (Puro) stable cells
<a href="#">SC044</a>	MDA-MB-231 / Luciferase-2A-GFP Stable Cell Line
<a href="#">SC045-Cas9-Bsd</a>	Hela / Cas9 (Bsd) Stable Cell Line
<a href="#">SC045-Cas9-Puro</a>	Hela / Cas9 (Puro) Stable Cell Line
<a href="#">SC046</a>	SH-SY5Y / RFP (Puromycin) stable cell line
<a href="#">SC047-GB</a>	RKO / GFP (Blasticidin) Stable Cell Line
<a href="#">SC047-TetR</a>	TetR Expression (Bsd) / RKO stable cells
<a href="#">SC048</a>	Luciferase (Puro) / Jurkat T Cell line
<a href="#">SC049-1</a>	Jurkat T / GFP Stable Cell (EF1a Promoter)
<a href="#">SC049-2</a>	Jurkat T / GFP Stable Cell (Flt1 Promoter)
<a href="#">SC049-3</a>	Jurkat T / GFP Stable Cell (CD43 Promoter)
<a href="#">SC049-4</a>	Jurkat T / GFP Stable Cell (CD68 Promoter)
<a href="#">SC049-5</a>	Jurkat T / GFP Stable Cell (Survivin Promoter)
<a href="#">SC050-G</a>	MCF7 / GFP (Puromycin) Cell Line
<a href="#">SC050-L</a>	MCF7 / Firefly Luciferase (Puro) Cell Line
<a href="#">SC051-G</a>	ZR-75-1 / GFP (Puromycin) Cell Line
<a href="#">SC051-L</a>	ZR-75-1 / Firefly Luciferase (Puro) Cell Line
<a href="#">SC053-L</a>	NCI-H1299 / Luciferase (Puro) Stable Cells
<a href="#">SC054-L</a>	CFPAC-1 / Luciferase (Puro) Stable Cells
<a href="#">SC055-G</a>	MLLB2 / GFP (Neomycin) stable cell line



SC056-TetR	mouse CT26 / TetR Expression (Bsd) stable cells
SC057-Bsd	MDA-MB-231 / RFP (Bsd) Stable Cell Line
<a href="#">SC058</a>	HEK293 / uGFP (unstable GFP) Stable Cells
<a href="#">SC059-Bsd</a>	MDA-MB-231 / Luciferase (Bsd) Stable Cell Line
<a href="#">SC059-Puro</a>	MDA-MB-231 / Luciferase (Puro) Stable Cell Line
<a href="#">SC060-G</a>	Human B lymphocyte / GFP Stable Cells
<a href="#">SC060-LG</a>	Human B lymphocyte (Luciferase / GFP) Stable Cells
<a href="#">SC060-LR</a>	Human B lymphocyte (Luciferase / RFP) Stable Cells
<a href="#">SC060-R</a>	Human B lymphocyte / RFP Stable Cells
<a href="#">SC061-G</a>	Mouse CT26 / GFP Stable Cells
<a href="#">SC061-LG</a>	Mouse CT26 (Luciferase & GFP) Stable Cells
<a href="#">SC061-LR</a>	Mouse CT26 (Luciferase & RFP) Stable Cells
<a href="#">SC061-PDL1</a>	Mouse CT26 / PDL1 Stable Cells
<a href="#">SC061-R</a>	Mouse CT26 / RFP Stable Cells
<a href="#">SC062-G</a>	Human AsPC1 / GFP Cell Line
<a href="#">SC062-LG</a>	Human AsPC1 / Luciferase and GFP Cell Line
<a href="#">SC062-LR</a>	Human AsPC1 / Luciferase and RFP Cell Line
<a href="#">SC062-Luc</a>	Human AsPC1 / Luciferase Cell Line
<a href="#">SC062-R</a>	Human AsPC1 / RFP Cell Line
<a href="#">SC063-LR</a>	Mouse B lymphocyte (Luciferase & RFP) Stable Cell
<a href="#">SC063-Luc</a>	Mouse B lymphocyte / Luciferase Cell Line
<a href="#">SC063-R</a>	Mouse B lymphocyte / RFP Cell Line
<a href="#">SC065-G</a>	Mouse MB49 / GFP Stable Cells
<a href="#">SC065-LG</a>	Mouse MB49 / Luciferase & GFP Stable Cells

<a href="#">SC065-LR</a>	Mouse MB49 / Luciferase & RFP Stable Cells
<a href="#">SC065-R</a>	Mouse MB49 / RFP Stable Cells
<a href="#">SC066-G</a>	Human ES2 / GFP Stable Cells
<a href="#">SC066-LG</a>	Human ES2 / Luciferase & GFP Stable Cells
<a href="#">SC066-LR</a>	Human ES2 / Luciferase & RFP Stable Cells
<a href="#">SC066-R</a>	Human ES2 / RFP Stable Cells
<a href="#">SC066-TetR</a>	Human ES2 / TetR (Puro) Stable Cells
<a href="#">SC067-G</a>	Human SW403 / GFP Stable Cells
<a href="#">SC067-Luc</a>	Human SW403 / Luciferase Stable Cells
<a href="#">SC068-G</a>	Human PANC-1 / GFP (Puro) Cell Line
<a href="#">SC068-LG</a>	Human PANC-1 / Luciferase & GFP (Puro) Cell Line
<a href="#">SC068-Luc</a>	Human PANC-1 / Luciferase (Puro) Cell Line
<a href="#">SC068-R</a>	Human PANC-1 / RFP (Puro) Cell Line
<a href="#">SC069-G</a>	Human 786-O / GFP Cell Line
<a href="#">SC069-LG</a>	Human 786-O / Luciferase & GFP Cell Line
<a href="#">SC069-luc</a>	Human 786-O / Luciferase Cell Line
<a href="#">SC070-G</a>	Hela-nucGFP stable cells
<a href="#">SC070-R</a>	Hela-nucRFP stable cells
<a href="#">SC071-Neo</a>	Color Switch, CRE report cell line: Hela-loxP-GFP-RFP (Neo)
<a href="#">SC071-Puro</a>	Color Switch, CRE report cell line: Hela-loxP-GFP-RFP (Puro)
<a href="#">SC072-G</a>	Human T47D / GFP Stable Cells
<a href="#">SC072-LG</a>	Human T47D / Luciferase & GFP Stable Cells
<a href="#">SC072-Luc</a>	Human T47D / Luciferase Stable Cells

<a href="#">SC073-GB</a>	Human MCF10A / GFP (Bsd) Stable Cells
<a href="#">SC073-GP</a>	Human MCF10A / GFP (Puro) Stable Cells
<a href="#">SC073-Luc</a>	Human MCF10A / Luciferase (Puro) Stable Cells
<a href="#">SC074-GB</a>	Human SW1990 / GFP (Bsd) Stable Cells
<a href="#">SC074-GP</a>	Human SW1990 / GFP (Puro) Stable Cells
<a href="#">SC074-LG</a>	Human SW1990 / Luciferase & GFP (Puro) Stable Cells
<a href="#">SC074-Luc</a>	Human SW1990 / Luciferase (Puro) Stable Cells
<a href="#">SC075</a>	Human ACE2 (RFP) Expression in Hela Cell Line
<a href="#">SC076</a>	Human ACE2 (RFP) Expression in HEK293T Cell Line
<a href="#">SC076B</a>	Human ACE2 (GFP) Expression in Hela Cell Line
<a href="#">SC077</a>	COVID-19 Spike (S) Protein / Hela Cell Line
<a href="#">SC078-G</a>	Mouse Panc02 / GFP Stable Cell Line
<a href="#">SC078-Luc</a>	Mouse Panc02 / Luciferase (Firefly) Stable Cell Line
<a href="#">SC079-G</a>	Human MIA Paca-2 / GFP Stable Cells
<a href="#">SC079-LG</a>	Human MIA Paca-2 / Luciferase & GFP Stable Cells
<a href="#">SC079-LR</a>	Human MIA Paca-2 / Luciferase & RFP Stable Cells
<a href="#">SC079-Luc</a>	Human MIA Paca-2 / Luciferase Stable Cells
<a href="#">SC079-R</a>	Human MIA Paca-2 / RFP Stable Cells
<a href="#">SC080-G</a>	Human HT-29 / GFP Stable Cell Line
<a href="#">SC080-LG</a>	Human HT-29 / GFP & Luciferase Stable Cell Line
<a href="#">SC080-Luc</a>	Human HT-29 / Luciferase (Firefly) Stable Cell Line
<a href="#">SC081</a>	Inducible GFP & Luciferase Co-Expression HEK293 cell line
<a href="#">SC082</a>	HEK293 / Cas9 Expression Stable Cell Line
<a href="#">SC083</a>	HEK293 / h PDL1 Expression Stable Cells

<a href="#">SC084-G</a>	Human U2OS / GFP Stable Cells
<a href="#">SC084-LG</a>	Human U2OS / Luciferase & GFP Stable Cells
<a href="#">SC084-Luc</a>	Human U2OS / Luciferase Stable Cells
<a href="#">SC085-LG</a>	Human SHP-77 / <b>Luciferase</b> & <b>GFP</b> Stable Cells
<a href="#">SC085-LR</a>	Human SHP-77 / <b>Luciferase</b> & <b>RFP</b> Stable Cells
<a href="#">SC085-Luc</a>	Human SHP-77 / <b>Luciferase</b> Stable Cells
<a href="#">SC085-R</a>	Human SHP-77 / <b>RFP</b> Fluorescent Stable Cells
<a href="#">SC086</a>	CHO / CD19 & GFP Expression Stable Cell Line
<a href="#">SC087</a>	HEK293 / human CD19 Expression Stable Cell Line