

MDA-MB-231 / GFP Stable Cell Line

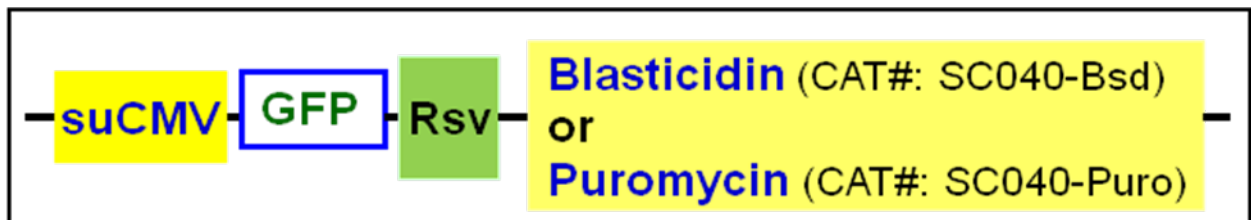
Catalog Number	Product	Amount
SC040-Bsd	MDA-MB-231 / GFP (Blasticidin) stable cell line	1 vial of cells (2 x 10 ⁶ cells) in 80% DMEM, 10% FBS, 10% DMSO
SC040-Puro	MDA-MB-231 / GFP (Puromycin) stable cell line	

Product Description

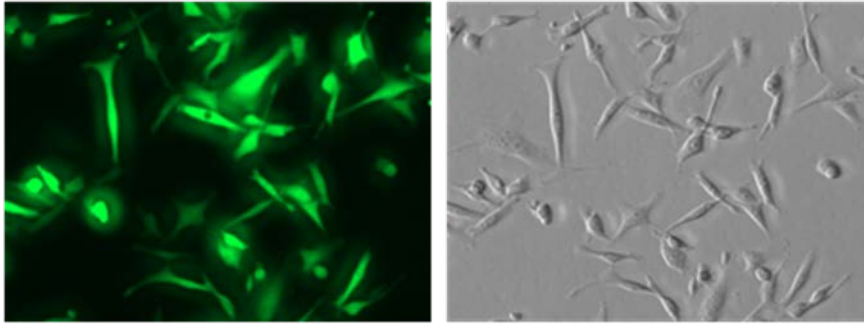
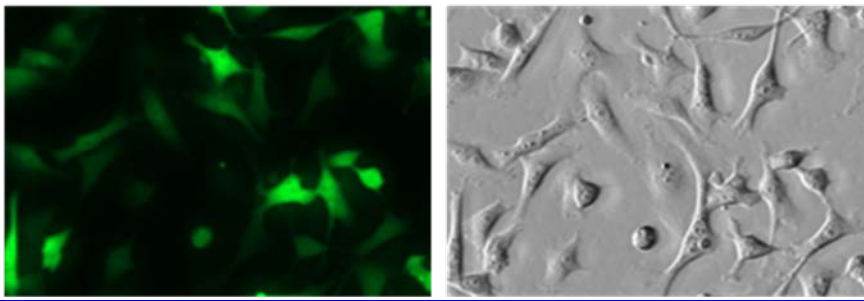
The MDA-MB-231 is one of the common researched human breast cancer cell line, derived from metastatic breast cancer, mammary gland epithelial cells. This cell line cultured as adhesive cell in flash, passed with trypsin/EDTA with high colony forming efficiency.

The reporter cell line was transformed from the MDA-MB-231 cell line, and stably expressing the signal-enhanced **GFP** reporter. The cell lines were established by transduction with GFP expression lentivirus containing either a **Blasticidin** or **Puromycin** resistance. GFP is constitutively expressed with strongest fluorescent intensity under our proprietary [super strong constitutive CMV promoter](#). The following expression construct was integrated into cell's genome.

Core expression cassette for SC040:



Each cell demonstrates strong fluorescent signal under microscope (see image below. / **GFP filter (Ex:490nm / Em:510nm.)**)

SC040-Bsd: MDA-MB-231 / GFP (Bsd)**SC040-Puro: MDA-MB-231 / GFP (Puro)****Culture procedures**

- Thaw the vial of frozen cells quickly in a 37 °C water bath (1-3min); decontaminate the outside of the vial with 70% ethanol.
- Transfer the entire contents of the cryovial into a T-75 cm² flask containing 15 ml of pre-warmed complete medium. Incubate the cells overnight in a 37 °C incubator.
- The following day, replace the medium with 15 ml of pre-warmed, complete medium.
- Incubate the cells and monitor cell density.
- Pass cells (1:10 dilution) when the culture reaches 80-90% confluence.
- Freeze cells at a density of 1-3 x 10⁶ cells/ml using 90% complete medium and 10% DMSO.

Complete medium

D-MEM (high glucose)
10% Fetal Bovine Serum (FBS)
0.1 mM Non-Essential Amino Acid (NEAA)
2mM L-Glutamine,
1% Pen-strep

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

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Related Products:

Amsbio's pre-made stable cell line list:

Catalog #	Product Name
SC001	HEK293-GFP stable cells
SC002-Bsd	luciferase (firefly), HEK293 stable cells (Blasticidin)
SC002-GB	luciferase (firefly), HEK293 stable cells (GFP-Blasticidin)
SC002-GP	luciferase (firefly), HEK293 stable cells (GFP-Puromycin)

<u>SC002-Neo</u>	luciferase (firefly), HEK293 stable cells (Neomycin)
<u>SC002-Puro</u>	luciferase (firefly), HEK293 stable cells (Puromycin)
<u>SC002-RB</u>	luciferase (firefly), HEK293 stable cells (RFP, Blasticidin)
<u>SC002-RP</u>	luciferase (firefly), HEK293 stable cells (RFP-Puromycin)
<u>SC003</u>	LacZ stable cells
<u>SC004-Bsd</u>	CRE stable cells with Puromycin marker
<u>SC004-GP</u>	CRE stable cells with GFP-Puromycin dual marker
<u>SC004-Neo</u>	CRE stable cells with Puromycin marker
<u>SC004-Puro</u>	CRE stable cells with Puromycin marker
<u>SC004-RB</u>	CRE stable cells with RFP-blasticidin dual marker
<u>SC004-RP</u>	CRE stable cells with RFP-Puromycin dual marker
<u>SC005-Bsd</u>	HEK293-TetR (Bsd)
<u>SC005-GB</u>	HEK293-TetR (GFP-Bsd)
<u>SC005-Hygro</u>	HEK293-TetR (Hygro)
<u>SC005-Neo</u>	HEK293-TetR (Neo)
<u>SC005-Puro</u>	HEK293-TetR (Puro)
<u>SC005-RB</u>	HEK293-TetR (RFP-Bsd)
<u>SC005-RP</u>	HEK293-TetR (RFP-Puro)
<u>SC006</u>	Flp stable cells
<u>SC007</u>	HEK293-RFP stable cells
<u>SC008</u>	GFP-LacZ & RFP stable cells
<u>SC009</u>	GFP & RFP HEK293 stable cells
<u>SC010</u>	HEK293-CFP stable cells
<u>SC011</u>	HEK293-YFP stable cells
<u>SC012</u>	TAT stable cells in HEK293
<u>SC013</u>	Glutamine Synthesis stable cells
<u>SC014</u>	Inducible h P53 stable cells
<u>SC015</u>	h OCT3/4 stable cells
<u>SC016</u>	h LIN28 stable cells
<u>SC018-Bsd</u>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Bsd)

<u>SC018-Neo</u>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP Neo)
<u>SC018-Puro</u>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Puro)
<u>SC020-Puro</u>	luciferase (Renilla), HEK293 stable cells (Puromycin)
<u>SC020-RP</u>	luciferase (Renilla), HEK293 stable cells (RFP-Puromycin)
<u>SC021-GB</u>	Luciferase (firefly) and CRE co-expression stable cell line (GFP-Blasticidin)
<u>SC021-Puro</u>	Luciferase (firefly) and CRE co-expression stable cell line (puromycin)
<u>SC021-RP</u>	Luciferase (firefly) and CRE co-expression stable cell line (RFP-puromycin)
<u>SC022-RB</u>	HEK293-CFTR cell line with RFP and Blasticidin dual marker
<u>SC023-RB</u>	HEK293-CLCN2 cell line with RFP and Blasticidin dual marker
<u>SC024-RB</u>	HEK293-TRPC3 cell line with RFP and Puromycin dual marker
<u>SC025-RB</u>	HEK293-KCNN4 cell line with RFP and Puromycin dual marker
<u>SC026-RB</u>	HEK293-ATP2B2 cell line with RFP and Puromycin dual marker
<u>SC027-RB</u>	HEK293-TRPV1 cell line with RFP and Puromycin dual marker
<u>SC028</u>	Inducible RFP HEK293 stable cell line
<u>SC029</u>	inducible RFP HEK293 stable cell line with GFP marker
<u>SC030</u>	inducible GFP HEK293 stable cell line with RFP marker
<u>SC031-Puro</u>	Hela-RFP stable cells
<u>SC032-Bsd</u>	Luciferase (firefly), Hela stable cells (Blasticidin)
<u>SC032-GB</u>	Luciferase-2A-GFP, Hela stable cells (Blasticidin)
<u>SC032-GN</u>	Luciferase-2A-GFP, Hela stable cells (Neomycin)
<u>SC032-GP</u>	Luciferase-2A-GFP, Hela stable cells (Puromycin)
<u>SC032-Puro</u>	Luciferase (firefly), Hela stable cells (Puromycin)
<u>SC032-RB</u>	Luciferase-2A-RFP, Hela stable cells (Blasticidin)
<u>SC032-RN</u>	Luciferase-2A-RFP, Hela stable cells (Neomycin)
<u>SC032-RP</u>	Luciferase-2A-RFP, Hela stable cells (Puromycin)
<u>SC033</u>	Inducible GFP HEK293 stable cell line
<u>SC034-Puro</u>	Hela-GFP stable cells (Puro)
<u>SC035-Puro</u>	Hela-TetR stable cells (Puro)
<u>SC036</u>	Hela Inducible GFP expression stable cell line
<u>SC037</u>	Hela Inducible RFP expression stable cell line

<u>SC038-GB</u>	Hela-rtTA (GFP-Bsd) stable cells
<u>SC038-GP</u>	Hela-rtTA (GFP-Puro) stable cells
<u>SC038-RB</u>	Hela-rtTA (RFP-Bsd) stable cells
<u>SC041</u>	MDA-MB-231 / Luc-RFP Stable Cell Line
<u>SC042</u>	SH-SY5Y / GFP stable cell line