

# TUNR

---

## FLEXIBLE GENE EXPRESSION

### WILD-TYPE, KNOCKOUT, AND EVERYWHERE IN BETWEEN

---

The TUNR Flexible Gene Editing System allows you to precisely control the expression of your gene of interest. Our kits are custom-designed for your project and include everything you need to tune gene expression in your favorite cell line

- Precisely tune gene expression from 100% all the way down to complete knockout
- Model ranges of gene expression reflecting diversity in patient populations
- Control endogenous gene expression—eliminate artifacts from ectopic expression
- Knockdown essential genes where knockout would result in lethality

# TUNR KITS AVAILABLE

## ENDOGENOUS GENES

The TUNR Flexible Gene Editing System for Endogenous Genes allows you to generate four cell lines or animal models with four different levels of knockdown of your endogenous gene of interest

## TARGETED TRANSGENES

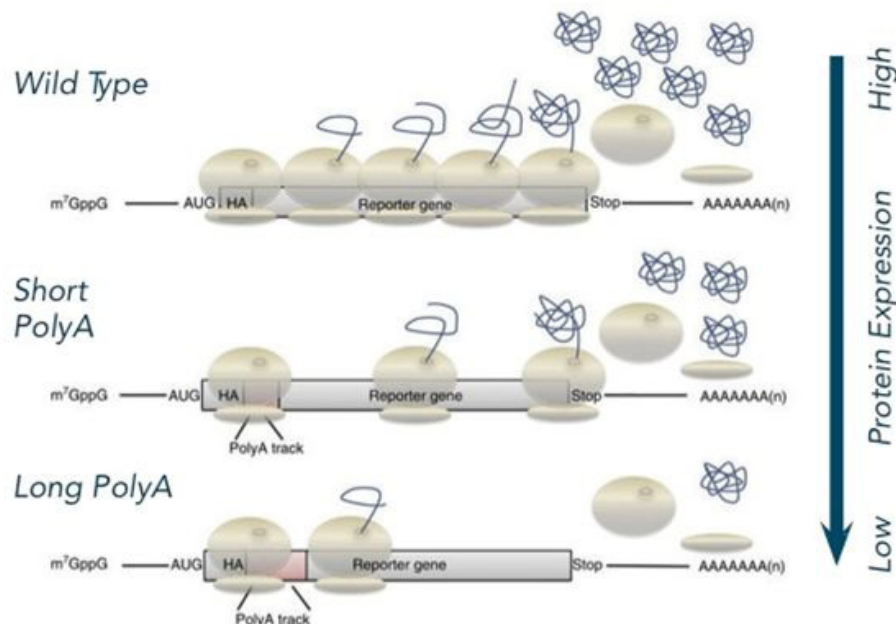
The TUNR Targeted Transgenic kit enables you to insert your gene of interest under TUNR control into the AAVS1 locus; AAVS1 is a “safe harbor”—a safe place to integrate transgenes

## PLASMID DELIVERED TRANSGENES

The TUNR Plasmid-Delivered Transgenes kit allows you to control the expression of a transgene

## HOW THE TUNR FLEXIBLE GENE EDITING SYSTEM WORKS


- Introduction of the TUNR polyA track results in reduced gene expression.
- The TUNR Flexible Gene Editing System leverages the CRISPR-Cas9 system for targeted integration of a polyA track at a precise location within the targeted gene



Arthur, L. L. et al. 2017, Nature Communications

AMSBIO | [www.amsbio.com](http://www.amsbio.com) | [info@amsbio.com](mailto:info@amsbio.com)

V1.0

 **UK & Rest of the World**  
184 Park Drive, Milton Park  
Abingdon OX14 4SE, U.K.  
T: +44 (0) 1235 828 200  
F: +44 (0) 1235 820 482

 **North America**  
1035 Cambridge Street,  
Cambridge, MA 02141.  
T: +1 (617) 945-5033 or  
T: +1 (800) 987-0985  
F: +1 (617) 945-8218

 **Germany**  
Bockenheimer Landstr. 17/19  
60325 Frankfurt/Main  
T: +49 (0) 69 779099  
F: +49 (0) 69 13376880

 **Switzerland**  
Centro Nord-Sud 2E  
CH-6 934 Bioggio-Lugano  
T: +41 (0) 91 604 55 22  
F: +41 (0) 91 605 17 85

©AMSBIO / AMS Biotechnology (Europe) Ltd.