



TARGATT™ Cre-Rat Reporter Line

Product Information

Catalog Number 561-1 (embryo); 561-2 (rat)
Strain Sprague dawley rat

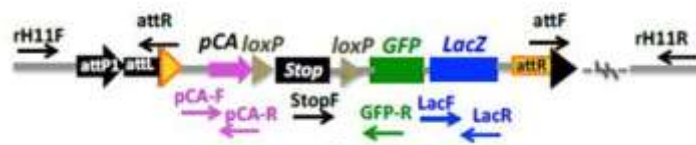
Description

This reporter line rat contains the CAG-LSL-GFP-LacZ promoter construct inserted randomly into the genome using Applied Stemcell's proprietary integrase-based TARGATT™ technology and is guaranteed expression of the LSL, GFP and LacZ genes which are driven by the CAG promoter. F0 rats can be mated with this wild type (WT) reporter rat to confirm transmission of the cKI genotype to F1 generation.

Promotor Name	Technology	Tissue/Cell-specificity	Promotor Description	Comments	Reference
CAG-LSL-GFP-LacZ	TARGATT™	Reporter/test rat line expressing LSL, GFP and LacZ genes	1.7-kb CA (CMV-beta-actin) green fluorescent protein	Random integration	Tasic <i>et al</i> 2011 & ASC

Design Strategy

Schematic Representation of TARGATT™ Cre-Driver Rat



Shipping

Embryos (dry ice) and rats (cages)

Storage and Stability

Store TARGATT™ Cre-rat embryos in nitrogen freezer immediately upon receipt. Store the plasmids and ganciclovir at -20°C. Do not freeze-thaw plasmids repeatedly. The products provided in this kit are stable for at least 6 months from the date of receiving when stored as directed.

Safety Precaution

PLEASE READ BEFORE HANDLING ANY FROZEN VIALS. Please wear the appropriate Personal Protective Equipment (lab coat, thermal gloves, safety goggles and a face shield) when handling the cells. Handle the frozen vials with due caution. Please be aware that the following scenario can occur: Liquid nitrogen can leak into the vials when the vials are submerged in liquid nitrogen. Upon thawing, the liquid nitrogen returns to the gas phase, resulting in a dangerous build-up of pressure within the vial. This can

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result in the vial exploding and expelling not only the vial contents but also the vial cap and plastic fragments of the vial.

Restricted Use

This product is for research use only and not intended for human or animal diagnostic or therapeutic uses.

Products:

Catalog#	Component	Amount	Available
561-1	TARGATT™ Cre-Rat Embryo – CAG-LSL-GFP-LacZ	1 straw	inquire
561-2	TARGATT™ Cre-Rat – CAG-LSL-GFP-LacZ	1 rat	inquire

Supporting Validation Data*:

Summary of Available Validation Data

gel picture. Limited validation data is available.

* Please inquire prior to purchasing.