

Datasheet for ABIN5245983

## Rat ATG7 CRISPR gRNA + Cas9 in Lenti Particles

### Overview

Quantity:	300 µL
Gene:	ATG7
Species:	Rat
Insert:	gRNA + Cas9
Vector:	Lentiviral Vector
Application:	Protein Expression (PEXP), Genome Editing with Engineered Nucleases (GEEN)

### Product Details

Purpose:	Individual gRNA against Atg7 in Lentiviral Particles with a Titer of >1x10 <sup>7</sup> IU/mL. (sgRNA and Cas9 in a single vector)
Vector Backbone:	pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro
Promoter:	U6 Promoter, SFFV Promoter
Selectable Marker:	Puromycin
Bacterial Resistance:	Ampicillin
Expression Type:	Stable, Transient
Sequence:	""173 GAACTCCAAT GTCAAGC""
Specificity:	GRNAs are designed for use with Cas9 Nuclease only. Cas9 Nuclease is under the control of the SFFV promoter which should work for a vast majority of cells, except ES cells or iPS cells.
Sequencing Primer:	U6 Forward Primer: 5'--TACGTCCAAGGTCGGGCAGGAAGA--3'
Components:	Lentiviral particles with an individual gRNA (300 µL) for a specific sequence of Atg7

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## Target Details

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Gene:	ATG7
Alternative Name:	Atg7 ( <a href="#">ATG7 Products</a> )
NCBI Accession:	<a href="#">NM_001012097</a>

## Application Details

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Application Notes:	Recommended for quality control: Restriction Enzyme Digest and Sequencing
Restrictions:	For Research Use only

## Handling

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Format:	Viral Particles
Storage:	-80 °C
Expiry Date:	12 months

## Publications

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Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)
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