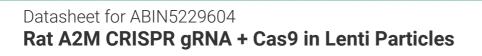
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## Overview

Quantity:	300 µL
Gene:	alpha 2 Macroglobulin (A2M)
Species:	Rat
Insert:	gRNA + Cas9
Vector:	Lentiviral Vector
Application:	Protein Expression (PExp), Genome Editing with Engineered Nucleases (GEEN)

## Product Details

Purpose:	Individual gRNA against A2m in Lentiviral Particles with a Titer of >1x10e7 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:	Sequence available upon placing order
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'TACGTCCAAGGTCGGGCAGGAAGA3'
Components:	Lentiviral particles with an individual gRNA (300 $\mu L)$ for a specific sequence of A2m

Target Details	
Gene:	alpha 2 Macroglobulin (A2M)
Alternative Name:	A2m (A2M Products)
NCBI Accession:	NM_012488
Application Details	
Application Notes:	Recommended for quality control: Restriction Enzyme Digest and Sequencing
Restrictions:	For Research Use only
Handling	
Format:	Viral Particles
Storage:	-80 °C
Expiry Date:	12 months
Publications	
Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (
	1991)