

Datasheet for ABIN5220990

## Mouse CD41 CRISPR gRNA + Cas9 in Lenti Particles

### Overview

Quantity:	300 µL
Gene:	Integrin Alpha2b (CD41)
Species:	Mouse
Insert:	gRNA + Cas9
Vector:	Lentiviral Vector
Application:	Protein Expression (PExp), Genome Editing with Engineered Nucleases (GEEN)

### Product Details

Purpose:	Individual gRNA against Itga2b 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:	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'--TACGTCCAAGGTCGGGCAGGAAGA--3'
Components:	Lentiviral particles with an individual gRNA (300 µL) for a specific sequence of Itga2b

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## Target Details

Gene: Integrin Alpha2b (CD41)

Alternative Name: Itga2b ([CD41 Products](#))

NCBI Accession: [NM\\_010575](#)

## 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)