

Datasheet for ABIN5298150

Human OPA6 CRISPR gRNA + Cas9 in Lenti Particles

Overview

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| Quantity: | 3 x 300 µL |
| Gene: | ROA1 (OPA6) |
| Species: | Human |
| Insert: | gRNA + Cas9 |
| Vector: | Lentiviral Vector |
| Application: | Genome Editing with Engineered Nucleases (GEEN), Protein Expression (PExp) |

Product Details

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| Purpose: | Set of 3 gRNA against OPA6 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'--TACGTCCAAGGTCGGGCAGGAAGA--3' |
| Components: | Lentiviral particles with a set of 3 gRNAs (3 x 300 µL) covering different sequences of OPA6 |

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Target Details

Gene: ROA1 (OPA6)

Alternative Name: OPA6 ([OPA6 Products](#))

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)