

Datasheet for ABIN5238315

Human TGFBR1 CRISPR gRNA + Cas9 in Lenti Particles

Overview

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| Quantity: | 300 µL |
| Gene: | TGFBR1 |
| Species: | Human |
| Insert: | gRNA + Cas9 |
| Vector: | Lentiviral Vector |
| Application: | Protein Expression (PExp), Genome Editing with Engineered Nucleases (GEEN) |

Product Details

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| Purpose: | Individual gRNA against TGFBR1 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: | ""646 TTTGGAGAAG TTTGGAG"" |
| 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 TGFBR1 |

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Target Details

| | |
|-------------------|--|
| Gene: | TGFBR1 |
| Alternative Name: | TGFBR1 (TGFBR1 Products) |
| NCBI Accession: | NM_004612 |

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

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