

Datasheet for ABIN5118732

Rat MAPK1 CRISPR gRNA in Lenti Particles

Overview

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| Quantity: | 300 µL |
| Gene: | ERK2 (MAPK1) |
| Species: | Rat |
| Insert: | gRNA |
| Vector: | Lentiviral Vector |
| Application: | Protein Expression (PExp), Genome Editing with Engineered Nucleases (GEEN) |

Product Details

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| Purpose: | Individual gRNA against Mapk1 in Lentiviral Particles with a Titer of >1x10e7 IU/mL. (Cas9 required separately) |
| Vector Backbone: | pLenti-U6-sgRNA-PGK-Neo |
| Promoter: | U6 Promoter, PGK Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Stable, Transient |
| Sequence: | Sequence available upon placing order |
| Specificity: | GRNAs are designed for use with Cas9 Nuclease only. |
| Components: | Lentiviral particles with an individual gRNA (300 µL) for a specific sequence of Mapk1 |

Target Details

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| Gene: | ERK2 (MAPK1) |
| Alternative Name: | Mapk1 (MAPK1 Products) |
| NCBI Accession: | NM_053842 |

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Application Details

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

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