

Datasheet for ABIN5247531

## Rat CHRNA2 CRISPR gRNA + Cas9 in Lenti Particles

### Overview

|              |  |
|--------------|--|
| Quantity:    | 300 µL   |
| Gene:        | CHRNA2   |
| Species:     | Rat  |
| Insert:      | gRNA + Cas9  |
| Vector:      | Lentiviral Vector  |
| Application: | Protein Expression (PExp), Genome Editing with Engineered Nucleases (GEEN) |

### Product Details

|                       |  |
|-----------------------|--|
| Purpose:              | Individual gRNA against Chrna2 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.<br>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 Chrna2  |

## Target Details

---

|                   |  |
|-------------------|--|
| Gene:             | CHRNA2                                     |
| Alternative Name: | Chrna2 ( <a href="#">CHRNA2 Products</a> ) |
| NCBI Accession:   | <a href="#">NM_133420</a>                  |

## 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) |
|-------------------|---|