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## Datasheet for ABIN5149341 Rat NEDD4L CRISPR gRNA in Lenti Particles

## Overview

| Quantity:    | 300 µL                                                                     |
|--------------|----------------------------------------------------------------------------|
| Gene:        | NEDD4-2 (NEDD4L)                                                           |
| Species:     | Rat                                                                        |
| Insert:      | gRNA                                                                       |
| Vector:      | Lentiviral Vector                                                          |
| Application: | Protein Expression (PExp), Genome Editing with Engineered Nucleases (GEEN) |

## Product Details

| Purpose:              | Individual gRNA against Nedd4I 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 $\mu L)$ for a specific sequence of Nedd4l                     |

## Target Details

| Gene:             | NEDD4-2 (NEDD4L)         |
|-------------------|--------------------------|
| Alternative Name: | Nedd4l (NEDD4L Products) |
| NCBI Accession:   | NM_001008300             |

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| 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, (<br>1991) |