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## Mouse CCNA2 CRISPR gRNA in Lenti Particles

| Overview              |                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------|
| Quantity:             | 300 μL                                                                                                          |
| Gene:                 | Cyclin A (CCNA2)                                                                                                |
| Species:              | Mouse                                                                                                           |
| Insert:               | gRNA                                                                                                            |
| Vector:               | Lentiviral Vector                                                                                               |
| Application:          | Protein Expression (PExp), Genome Editing with Engineered Nucleases (GEEN)                                      |
| Product Details       |                                                                                                                 |
| Purpose:              | Individual gRNA against Cona2 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 Ccna2                     |
| Target Details        |                                                                                                                 |
| Gene:                 | Cyclin A (CCNA2)                                                                                                |
| Alternative Name:     | Ccna2 (CCNA2 Products)                                                                                          |
| NCBI Accession:       | NM_009828                                                                                                       |

## 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) |