Datasheet for ABIN5282899

# Human OTOGL CRISPR gRNA + Cas9 in Lenti Particles

## Overview

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| Quantity: | 300 µL |
| Gene: | OTOGL |
| 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 C12orf64 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 C12orf64 |

## Target Details

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| Gene: | OTOGL |
| Alternative Name: | C12orf64 (OTOGL Products) |
| NCBI Accession: | NM_173591 |

## 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

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