

Datasheet for ABIN3225308

Mouse RITA1 CRISPR gRNA + Cas9 in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

Overview

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|--------------|-------------------------------------------------|
| Quantity: | 1 kit |
| Gene: | RITA1 |
| Species: | Mouse |
| Fusion tag: | Myc-DYKDDDDK Tag |
| Insert: | gRNA + Cas9 |
| Vector: | Mammalian Expression Vector |
| Application: | Genome Editing with Engineered Nucleases (GEEN) |

Product Details

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| Purpose: | Knockout Kit for Mouse (Murine) Rita1 via CRISPR. |
| Vector Backbone: | pCas-Guide |
| Promoter: | U6 Promoter, Enhanced CMV Promoter |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient |
| Characteristics: | <ul style="list-style-type: none"> The Rita1 kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process. |
| Sequencing Primer: | CF3 (ACGATACAAGGCTGTTAGAGAG) |
| Components: | <ul style="list-style-type: none"> Rita1 gRNA vector 1 in pCAS-Guide vector. Rita1 gRNA vector 2 in pCAS-Guide vector. Donor vector containing Left and right homologous arms and GFP-Puro functional cassette. |

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Product Details

- Scramble sequence in pCas-Guide vector

Target Details

Gene: RITA1

Alternative Name: Rita1 ([RITA1 Products](#))

Application Details

Application Notes:

- Knock-in GFP reporter for promoter study.
- Knock-out genes at chromosomal level.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: -20 °C

Publications

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