

Datasheet for ABIN3245998

## Mouse ALYREF2 CRISPR gRNA + Cas9 in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

### Overview

Quantity:	1 kit
Gene:	Refbp2 (ALYREF2)
Species:	Mouse
Fusion tag:	Myc-DYKDDDDK Tag
Insert:	gRNA + Cas9
Vector:	Mammalian Expression Vector
Application:	Genome Editing with Engineered Nucleases (GEEN)

### Product Details

Purpose:	Knockout Kit for Mouse (Murine) Alyref2 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"> <li>The Alyref2 kit is designed based on the best knowledge of CRISPR technology.</li> <li>The system has been functionally validated for knocking-in the cassette downstream the native promoter.</li> <li>The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.</li> </ul>
Sequencing Primer:	CF3 (ACGATACAAGGCTGTTAGAGAG)
Components:	<ul style="list-style-type: none"> <li>Alyref2 gRNA vector 1 in pCAS-Guide vector.</li> <li>Alyref2 gRNA vector 2 in pCAS-Guide vector.</li> <li>Donor vector containing Left and right homologous arms and GFP-Puro functional cassette.</li> </ul>

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## Product Details

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- Scramble sequence in pCas-Guide vector

## Target Details

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Gene: Refbp2 (ALYREF2)

Alternative Name: Alyref2

## Application Details

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Application Notes: 

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

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: -20 °C

## Publications

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