

Datasheet for ABIN3233555

Human LOC100132247 CRISPR gRNA + Cas9 in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

Overview

Quantity:	1 kit
Gene:	NPIP5 (LOC100132247)
Species:	Human
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 Human NPIP5 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 NPIP5 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"> NPIP5 gRNA vector 1 in pCAS-Guide vector. NPIP5 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: NPIP5 (LOC100132247)

Alternative Name: NPIP5

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)