

Product datasheet for KN313530RB

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OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

Pnldc1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: Pnldc1 Symbol: 240023 Locus ID:

KN313530G1, Pnldc1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN313530G2, Pnldc1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN313530RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

NM 001034866 RefSeq:

UniProt ID: B2RXZ1 Synonyms: Gm313

Summary: 3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently

> degrading poly(A) tails (PubMed:27515512). Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs and is also used to silence certain maternal mRNAs translationally during oocyte maturation and early embryonic development

(PubMed:27515512). May act as a regulator of multipotency in embryonic stem cells

(PubMed:27515512).[UniProtKB/Swiss-Prot Function]



Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter