

Product datasheet for KN304862BN

Dusp1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Symbol: Dusp1 Locus ID: 19252

KN304862G1, Dusp1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN304862G2, Dusp1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN304862BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The 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.

RefSeq: NM 013642

UniProt ID: P28563

Synonyms: 3CH134; erp; mkp-1; MKP1; Ptpn16; U19515

Summary: Dual specificity phosphatase that dephosphorylates MAP kinase MAPK1/ERK2 on both 'Thr-

183' and 'Tyr-185', regulating its activity during the meiotic cell cycle.[UniProtKB/Swiss-Prot

Function]



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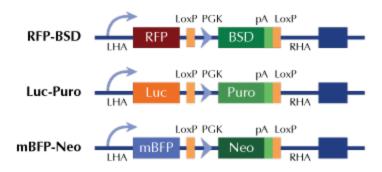
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Product images:

Donor Vector Edited Chromosome



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