

Product datasheet for KN213586BN

PARP2 Human 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

PARP2 Symbol: 10038 Locus ID:

KN213586G1, PARP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN213586G2, PARP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN213586BND, 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 001042618, NM 005484

UniProt ID: O9UGN5

Synonyms: ADPRT2; ADPRTL2; ADPRTL3; ARTD2; pADPRT-2; PARP-2

Summary: This gene encodes poly(ADP-ribosyl)transferase-like 2 protein, which contains a catalytic

> domain and is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADPribosyl) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct

isoforms have been found. [provided by RefSeq, Jul 2008]



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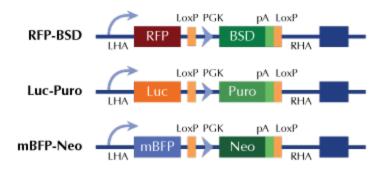
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Product images:

Donor Vector Edited Chromosome



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