

Product datasheet for **KN212630**

EPPK1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: EPPK1
Locus ID: 83481
Components: **KN212630G1**, EPPK1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGCCATGGCTCTGGGTACAC
KN212630G2, EPPK1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTCTGTGCTGTTGGTGCCT
KN212630D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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TGGGGGATCA TGTAACCTCG CTT

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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_031308](#)

UniProt ID:

[P58107](#)

Synonyms:

EPIPL; EPIPL1

Summary:

The protein encoded by this gene belongs to the plakin family of proteins, which play a role in the organization of cytoskeletal architecture. This family member is composed of several highly homologous plakin repeats. It may function to maintain the integrity of keratin intermediate filament networks in epithelial cells. Studies of the orthologous mouse protein suggest that it accelerates keratinocyte migration during wound healing. [provided by RefSeq, Oct 2013]

Product images:

