

Product datasheet for **KN213586**

PARP2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Knockout Kits (CRISPR)

Type:

Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

Donor DNA: GFP-puro

Symbol: PARP2

Locus ID: 10038

Components: **KN213586G1**, PARP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATATCGCGGGACG
KN213586G2, PARP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGCGACGGAGC
KN213586D, 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**

AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC AGAAGTAAGT TGGCCGCAGT GTTATC

ATTCCactagcatggagagcgacgagagcgccctgcccgccatggagatcgagtgccgcatcaccggcaccctgaacggcgtggagttcgagctggtggcgccg

CCTATAACCT GCACTTGGCT ACCAAACCAG TTGGGGTGCT AAATTTTGTGTA AATTCGGTT TTCAGAGCTT TGGGGATTAC ATAATTGTGC ATAAAG

GE100003, scramble sequence in pCas-Guide vector

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RefSeq: [NM_001042618](#), [NM_005484](#)

UniProt ID: [Q9UGN5](#)

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



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