

Product datasheet for **KN209471**

ATPBD4 (DPH6) 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:	ATPBD4
Locus ID:	89978
Components:	<p>KN209471G1, ATPBD4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCGTCTGAGTCGCGCGTTG</p> <p>KN209471G2, ATPBD4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCCGCTAGCGCCGAAAGAGT</p> <p>KN209471D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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 ATCATGTAAC TCGCCTT

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_001141972](#), [NM_080650](#)

UniProt ID:

[Q7L8W6](#)

Synonyms:

ATPBD4

Summary:

Amidase that catalyzes the last step of diphthamide biosynthesis using ammonium and ATP. Diphthamide biosynthesis consists in the conversion of an L-histidine residue in the translation elongation factor (EEF2) to diphthamide (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

