

Product datasheet for **KN209949RB**

VDAC1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD

Symbol: VDAC1

Locus ID: 7416

Components: **KN209949G1**, VDAC1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN209949G2, VDAC1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN209949RBD, donor DNA containing left and right homologous arms and RFP-BSD 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_003374](#), [NR_036624](#), [NR_036625](#)

UniProt ID: [P21796](#)

Synonyms: PORIN; VDAC-1

Summary: This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2, 3, 6, 9, 12, X and Y.[provided by RefSeq, Sep 2010]



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Product images:

