

Product datasheet for KN208906LP

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VDAC3 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: VDAC3 Locus ID: 7419

Components: KN208906G1, VDAC3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208906G2, VDAC3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208906LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: <u>NM 001135694</u>, <u>NM 005662</u>

UniProt ID: Q9Y277

Synonyms: HD-VDAC3; VDAC-3

Summary: This gene encodes a voltage-dependent anion channel (VDAC), and belongs to the

mitochondrial porin family. VDACs are small, integral membrane proteins that traverse the outer mitochondrial membrane and conduct ATP and other small metabolites. They are known to bind several kinases of intermediary metabolism, thought to be involved in

translocation of adenine nucleotides, and are hypothesized to form part of the mitochondrial permeability transition pore, which results in the release of cytochrome c at the onset of apoptotic cell death. Alternatively transcript variants encoding different isoforms have been

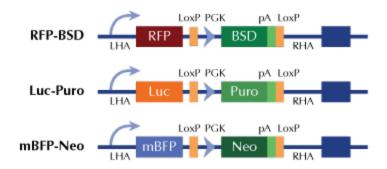
described for this gene. [provided by RefSeq, Oct 2011]





Product images:

Donor Vector Edited Chromosome



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