

## Product datasheet for KN208906LP

# **VDAC3 Human Gene Knockout Kit (CRISPR)**

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

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

**Donor DNA:** Luciferase-Puro

VDAC3 Symbol: Locus ID: 7419

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

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

NM 001135694, NM 005662 RefSeq:

**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]



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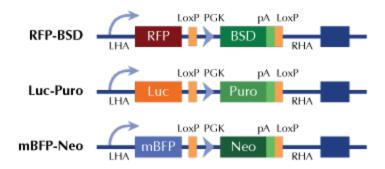
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# **Product images:**

### Donor Vector Edited Chromosome



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