

Product datasheet for KN220035LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

VDAC2 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: VDAC2 Locus ID: 7417

Components: KN220035G1, VDAC2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN220035G2, VDAC2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN220035LPD, 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: NM 001184783, NM 001184823, NM 003375, NR 033675, NM 001324087, NM 001324088,

NM 001324089, NM 001324090

UniProt ID: P45880
Synonyms: POR

Summary: This gene encodes a member of the voltage-dependent anion channel pore-forming family of

proteins that are considered the main pathway for metabolite diffusion across the

mitochondrial outer membrane. The encoded protein is also thought to be involved in the mitochondrial apoptotic pathway via regulation of BCL2-antagonist/killer 1 protein activity. Pseudogenes have been identified on chromosomes 1, 2, 12 and 21, and alternative splicing

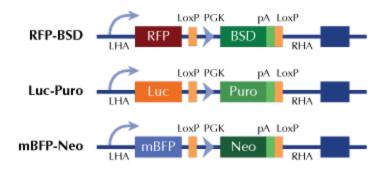
results in multiple transcript variants. [provided by RefSeq, May 2010]





Product images:

Donor Vector Edited Chromosome



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