

Product datasheet for **RC229844L3V**

VDAC2 (NM_001184823) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VDAC2 (NM_001184823) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VDAC2
Synonyms:	POR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001184823
ORF Size:	882 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229844).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001184823.1 , NP_001171752.1
RefSeq ORF:	885 bp
Locus ID:	7417
UniProt ID:	P45880
Cytogenetics:	10q22.2
Protein Families:	Druggable Genome, Ion Channels: Other
Protein Pathways:	Calcium signaling pathway, Huntington's disease, Parkinson's disease
MW:	32 kDa



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Gene 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]