

Product datasheet for **RC209949L3V**

VDAC1 (NM_003374) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VDAC1 (NM_003374) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VDAC1
Synonyms:	PORIN; VDAC-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003374
ORF Size:	849 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209949).
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_003374.1
RefSeq Size:	1806 bp
RefSeq ORF:	852 bp
Locus ID:	7416
UniProt ID:	P21796
Cytogenetics:	5q31.1
Domains:	Euk_porin
Protein Families:	Ion Channels: Other


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Protein Pathways: Calcium signaling pathway, Huntington's disease, Parkinson's disease

MW: 30.6 kDa

Gene 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]