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Product datasheet for RC227390L4V

VDAC3 (NM_001135694) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VDAC3 (NM_001135694) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VDAC3
Synonyms:	HD-VDAC3; VDAC-3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001135694
ORF Size:	852 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227390).
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_001135694.2, NP_001129166.1
RefSeq Size:	1557 bp
RefSeq ORF:	855 bp
Locus ID:	7419
UniProt ID:	Q9Y277
Cytogenetics:	8p11.21
Protein Families:	Druggable Genome, Ion Channels: Other
Protein Pathways:	Calcium signaling pathway, Huntington's disease, Parkinson's disease

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MW: 30.8 kDa

Gene 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]