

Product datasheet for **TP761298**

VDAC3 (NM_005662) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human voltage-dependent anion channel 3 (VDAC3), transcript variant 2, full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length VDAC3
Tag:	N-GST and C-His
Predicted MW:	56.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005653
Locus ID:	7419
UniProt ID:	Q9Y277
RefSeq Size:	1414
Cytogenetics:	8p11.21
RefSeq ORF:	849
Synonyms:	HD-VDAC3; VDAC-3



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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]

Protein Families:

Druggable Genome, Ion Channels: Other

Protein Pathways:

Calcium signaling pathway, Huntington's disease, Parkinson's disease

Product images: