

Recombinant Full Length Human VDAC1 Protein, GST-tagged

Cat. No. VDAC1-175HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant human full length VDAC1(1 a.a. - 283 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.

Species Human

Source In Vitro Cell Free System

ProteinLength 1 a.a. - 283 a.a.

Description 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.

Molecular Mass 57.20 kDa

AA Sequence MAVPPTYADL GKSARDVFTK GYGFGLIKLD LKTKSENGLE FTSSGSANTE
 TTKVTGSLET KYRWTEYGLT FTEKWNTDNT LGTEITVEDQ LARGLKLTFD
 SSFSPNTGKK NAKIKTGYKR EHINLGCDMD FDIAGPSIRG ALVLGYEGWL
 AGYQMNFETA KSRVTQSNFA VGYKTDEFQL HTNVNDGTEF GGSIIYQKVNK
 KLETAVNLAW TAGNSNTRFG IAAKYQIDPD ACFSAKVNNS SLIGLGYTQT
 LKPGIKLTLs ALLDGKNVNA GGHKLGLGLE FQA

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Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	VDAC1 voltage-dependent anion channel 1 [Homo sapiens (human)]
Official Symbol	VDAC1
Synonyms	VDAC1; voltage-dependent anion channel 1; PORIN; VDAC-1; voltage-dependent anion-selective channel protein 1; porin 31HL; porin 31HM; plasmalemmal porin; outer mitochondrial membrane protein porin 1
Gene ID	7416
mRNA Refseq	NM_003374
Protein Refseq	NP_003365
MIM	604492
UniProt ID	P21796

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