Recombinant human full length VDAC1, GST-tagged

Cat. No. VDAC1-21H **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	Wheat Germ
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	MAVPPTYADLGKSARDVFTKGYGFGLIKLDLKTKSENGLEFTSSGSANTETTKVTGS LETKYRWTEYGLTFTEKW NTDNTLGTEITVEDQLARGLKLTFDSSFSPNTGKKNAKI KTGYKREHINLGCDMDFDIAGPSIRGALVLGYEGWL AGYQMNFETAKSRVTQSNFA VGYKTDEFQLHTNVNDGTEFGGSIYQKVNKKLETAVNLAWTAGNSNTRFGIAAKY Q IDPDACFSAKVNNSSLIGLGYTQTLKPGIKLTLSALLDGKNVNAGGHKLGLGLEFQA
Applications	ELISA; WB-Re; AP; Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80ºC. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Full Length	Full L.

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
Chromosome Location	5q31
Pathway	Calcium signaling pathway; HTLV-I infection; Huntington's disease; Metabolism of

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	proteins
Function	porin activity; protein kinase binding; voltage-gated anion channel activity

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