

Recombinant Human VDAC1 Protein, His tagged

Cat. No. VDAC1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VDAC1 Protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
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	The protein has a calculated MW of 31 kDa.
AA Sequence	HHHHHHMAVPPTYADLGKSARDVFTKGYGFLIKLDLKTSENGLEFTSSGSANTE TTKVTGSLETKYRWTEYGLTFTEKWNTDNTLGTEITVEDQLARGLKLTFDSSFSNPNT GKKNNAIKTGYKREHINLGCDMDFDIAGPSIRGALVLGYEGWLAGYQMNFFETAKSRV TQSNFAVGKYKTDEFQLHTNVNDGTEFGGSIYQKVNKKLETAVNLAWTAGNSNTRFG IAAKYQIDPDACFSAKVNNSSLIGLGYTQTLKPGIKLTLALLDGKNVNAGGHKLGLG LEFQA
Endotoxin	< 1 EU/μg

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.3 mg/mL by BCA
Storage Buffer	Sterile PBS, pH 7.4, 1% SKL

GENE INFORMATION

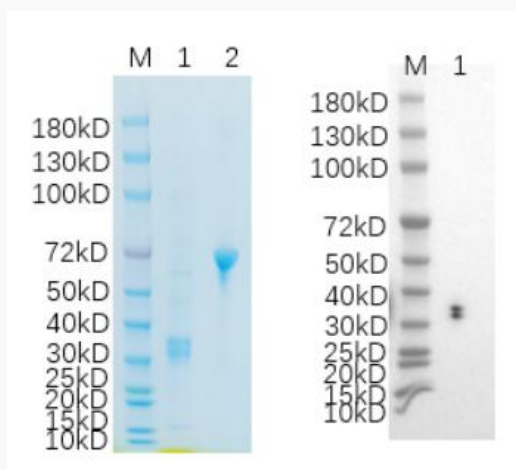
Gene Name	VDAC1 voltage-dependent anion channel 1 [Homo sapiens]
Official Symbol	VDAC1
Synonyms	VDAC1; voltage-dependent anion channel 1; voltage-dependent anion-selective channel protein 1; MGC111064; PORIN; porin 31HL; porin 31HM; plasmalemmal porin; outer mitochondrial membrane protein porin 1; VDAC-1;
Gene ID	7416
mRNA Refseq	NM_003374
Protein Refseq	NP_003365
MIM	604492
UniProt ID	P21796

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**Reducing 12% SDS-
PAGE (CBB stained)
and WB (Anti-His
Mouse Monoclonal
Antibody) analysis
profile of purified
VDAC1**



1. VDAC1
2. BSA

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