

## 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**

```

HHHHHHMAVPPTYADLGKSARDVFTKGYGFGLIKLDLKTSENGLEFTSSGSANTE
TTKVTGSLETKYRWTEYGLTFTEKWNTDNTLGTEITVEDQLARGLKLTFDSSFSPT
GKKNNAKIKTGYKREHINLGCMDMDFDIAGPSIRGALVLYEGWLAGYQMNFFETAKSRV
TQSNFAVGYKTDEFQLHTNVNDGTEFGGSIYQKVNKKLETAVNLAWTAGNSNTRFG
IAAKYQIDPDACFSAKVNNSLIGLGYTQTLKPGIKLTL SALLDGKNVNAGGHKLGLG
LEFQA
    
```

**Endotoxin** < 1 EU/μg

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Purity</b>	> 90% by SDS-PAGE
<b>Storage</b>	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.
<b>Concentration</b>	0.3 mg/mL by BCA
<b>Storage Buffer</b>	Sterile PBS, pH 7.4, 1% SKL

## GENE INFORMATION

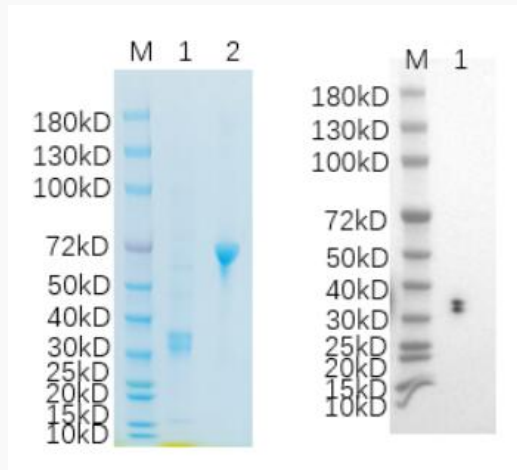
<b>Gene Name</b>	VDAC1 voltage-dependent anion channel 1 [ Homo sapiens ]
<b>Official Symbol</b>	VDAC1
<b>Synonyms</b>	VDAC1; voltage-dependent anion channel 1; voltage-dependent anion-selective channel protein 1; MGC111064; PORIN; porin 31HL; porin 31HM; plasmalemmal porin; outer mitochondrial membrane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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

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



1. VDAC1
2. BSA

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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