

Recombinant Human VDAC1 Protein, His/GST-tagged

VDAC1-595H Human

Lot. No. (See product label)

Specification

Product Overview Recombinant Human VDAC1(Ala2~Ala283) fused with His/GST tag at N-terminal was expressed in E. coli.

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.

Source E. coli

Species Human

Tag His/GST

Form 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Molecular Mass 90.6kDa

Protein length Ala2~Ala283

Endotoxin <1.0EU per 1µg (determined by the LAL method)

Purity >92%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
If bio-activity of the protein is needed, please check active protein.

Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Gene Information

Gene Name [VDAC1 voltage-dependent anion channel 1 \[Homo sapiens \]](#)

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| 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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