

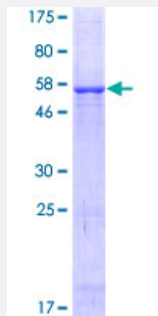
Full-Length

VDAC3 (Human) Recombinant Protein (P01)

Catalog # H00007419-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human VDAC3 full-length ORF (AAH56870, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MCNTPTYCDLGKAAKDVFNKGYGFGMVKIDLTKSCSGVEFSTSGHAYTDTGKASGNLETKYKV
CNYGLTFTQKWNTDNTLGTEISWENKLAEGKLTLDTIFVPNTGKKSGKLKASYKRDCFSVGSNV
DIDFSGPTIYGWAVLAFEGWLAGYQMSFDTAKSKLSQNNFALGYKAADFQLHTHVNDGTEFGGSI
YQKVNEKIETSLNLAWTAGSNNTFRFGIAAKYMLDCRTSLSAKVNNASLIGLGYTQTLRPGVKLTLSAL
IDGKNFSAGGHKVGLGFELEA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.87

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — VDAC3

Entrez GeneID [7419](#)

GeneBank Accession# [BC056870](#)

Protein Accession# [AAH56870](#)

Gene Name VDAC3

Gene Alias HD-VDAC3

Gene Description voltage-dependent anion channel 3

Omim ID [610029](#)

Gene Ontology [Hyperlink](#)

Gene Summary VDAC3 belongs to a group of mitochondrial membrane channels involved in translocation of adenine nucleotides through the outer membrane. These channels may also function as a mitochondrial binding site for hexokinase (see HK1; MIM 142600) and glycerol kinase (GK; MIM 300474) (Rahmani et al., 1998).[supplied by OMIM]

Other Designations -

Publication Reference

- [Chemoproteomic Profiling Reveals that Anti-Cancer Natural Product Dankastatin B Covalently Targets Mitochondrial VDAC3.](#)

Bridget P Belcher, Paulo A Machicao, Binqi Tong, Emily Ho, Julia Friedli, Brian So, Helen Bui, Yosuke Isobe, Thomas J Maimone, Daniel K Nomura.

bioRxiv : the Preprint Server for Biology 2023 Feb; 2023.02.11.528139.

Application: Profiling, Chemical compound

Pathway

- [Calcium signaling pathway](#)