

Mitochondrial outer membrane protein porin of 34 kDa (VDAC), Recombinant Protein

Cat *RP15435*

Size 0.02 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*E-Coli*)/ 0.1 mg (*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 0.1

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 1 mg (*Yeast*)/ 0.1 mg (*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Solanum tuberosum (Potato Cell)*)

Full Product Name

Recombinant *Solanum tuberosum* Mitochondrial outer membrane protein porin of 34 kDa

Product Gene Name

VDAC recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

GKGPGLYTEI GKKARDLLYK DYQSDHKFSI TTYSPTGVVI TSSGSKKGD LFLADVNTQLK NKNVTTDIKV
DTNSNLFTTI TVDEAAPGLK TILSFRVPDQ RSGKLEVQYL HDYAGICTSV GLTANPIVNF SGVVG TNIIA
LGTDVSFDTK TGDFTKCNAG LSFTNADLVA SLNLNKGDN LTASYHTVS PLTSTAVGAE VNHSFSTNEN
IITVGTQHRL DPLTSVKARI NNFGKASALL QHEWRPKSLF TVSGEVDTKS VDKGAKFGLA LALKP

Sequence Positions

2-276, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or *Yeast* or *Baculovirus* or *Mammalian Cell*

Molecular Weight

29,573 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Mitochondrial outer membrane protein porin

NCBI Accession

NP_001275154.1

NCBI GI

568215332

NCBI GenBank Nucleotide

NM_001288225.1

NCBI GeneID

102580103

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Mitochondrial outer membrane protein porin of 34 kDa (VDAC), Recombinant Protein

Cat *RP15435*

Size *0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1*

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI Official Full Name
mitochondrial outer membrane protein porin of 34 kDa

NCBI Official Symbol

VDAC

NCBI Protein Information

mitochondrial outer membrane protein porin of 34 kDa

UniProt Gene Name

VDAC

UniProt Synonym Gene Names

VDAC

UniProt Protein Name

Mitochondrial outer membrane protein porin of 34 kDa

UniProt Synonym Protein Names

POM 34; Voltage-dependent anion-selective channel protein; VDAC

UniProt Primary Accession

P42055

UniProt Related Accession

P42055

UniProt Comments

Forms a channel through the cell membrane that allows diffusion of small hydrophilic molecules. The channel adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV. The open state has a weak anion selectivity whereas the closed state is cation-selective .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY