

Mitochondrial outer membrane protein porin 5 (VDAC5), Recombinant Protein

Cat RP12378

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)
Species Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Mitochondrial outer membrane protein porin 5 (VDAC5)

Product Gene Name

VDAC5 recombinant protein

Product Synonym Gene Name

VDAC5

Purity

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

Sequence

AMKGPGLFSD IGKRAKDLLT KDYTYDQKLT VSTVSSSGVG LTSTAVKKGG LYTLDVSSVY KYKSTLVDVK
VDTESNISTT LTVFDVLPST KLVTSVKLPD YNSGKVMQY FHENASFATA VGMKPSPVVE FSGTAGAQGL
AFGAEAGFDT ATGKFTKYSA AIGVTKPDYH AAVLADKGD TVKVSGVYHL DDKQKSSVVA ELTRRLSTNE
NTLTVGGLYK VDPETAVKAR LNNTGKLAAL LQHEVKPKSV LTISGEFDTK ALDRPPKFGL ALALRP

Sequence Positions

2-277, 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

29,475 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

XP_015632717.1

NCBI GI

1002256814

NCBI GenBank Nucleotide

XM_015777231.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID

4331978

NCBI Official Full Name

mitochondrial outer membrane protein porin 5

NCBI Official Symbol

LOC4331978

NCBI Official Synonym Symbols

VDAC5; OsVDAC5; OsJ_09816

NCBI Protein Information

mitochondrial outer membrane protein porin 5

UniProt Gene Name

VDAC5

UniProt Synonym Gene Names

OsVDAC5

UniProt Protein Name

Mitochondrial outer membrane protein porin 5

UniProt Synonym Protein Names

Voltage-dependent anion-selective channel protein 5; OsVDAC5

UniProt Primary Accession

Q84P97

UniProt Secondary Accession

Q10QB6; A0A0P0VUF2

UniProt Related Accession

Q84P97

UniProt Comments

Forms a channel through the mitochondrial outer 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 .

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