V-type proton ATPase 16 kDa proteolipid subunit (VATP-P1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP10840*

Species
Oryza sativa subsp. indica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. indica V-type proton ATPase 16 kDa proteolipid subunit (VATP-P1)

Product Synonym Names
Recombinant V-type proton ATPase 16 kDa proteolipid subunit (VATP-P1); V-type proton ATPase 16 kDa proteolipid subunit; V-ATPase 16 kDa proteolipid subunit; Vacuolar proton pump 16 kDa proteolipid subunit

Product Gene Name
VATP-P1 recombinant protein

Product Synonym Gene Name
VATP-P1; Osl_034058

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

Sequence
MSSVFSGDET APFFGFLGAA SALIFSCMGA AYGTAKSGVG VASMGVMRPE LVMKSIVPVV MAGVLGIYGL IIAVIISTGI NPKAKPYYLF DGYAHLSSGL ACGLAGLAAG MAIGIVGDAG VRANAQQPKL FVGMILILIF AEALALYGLI VGIILSSRAG QSRAD

Sequence Positions
1-165

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
16,667 Da

Storage
Store at -20℃. For extended storage, store at -20 or -80℃.

UniProt Gene Name
VATP-P1

UniProt Synonym Gene Names
V-ATPase 16 kDa proteolipid subunit

UniProt Protein Name
V-type proton ATPase 16 kDa proteolipid subunit

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Synonym Protein Names
Vacuolar proton pump 16 kDa proteolipid subunit

UniProt Entry Name
VATL_ORYSI

UniProt Primary Accession
A2ZBW5

UniProt Secondary Accession
Q40635; Q53JH4

UniProt Comments
Function: Proton-conducting pore forming subunit of the membrane integral V0 complex of vacuolar ATPase. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.Subunit structure: V-ATPase is a heteromultimeric enzyme composed of a peripheral catalytic V1 complex (main components: subunits A, B, C, D, E, and F) attached to an integral membrane V0 proton pore complex (main component: the proteolipid protein; which is present as a hexamer that forms the proton-conducting pore).Subcellular location: Vacuole membrane; Multi-pass membrane protein. Note: Tonoplast.Sequence similarities: Belongs to the V-ATPase proteolipid subunit family.

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