

V-type proton ATPase subunit C (VHA-C), Recombinant Protein

Cat RP05170

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 Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana V-type proton ATPase subunit C (VHA-C)

Product Gene Name

VHA-C recombinant protein

Product Synonym Gene Name

VHA-C

Purity

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

Sequence

MTSRYWVSL PVKDSASSLW NRLQEIQSKH SFDTPVYRFN IPNLRVGTLD SLLALGDDLL KSNSFVEGVS
QKIRRRQIEEL ERISGVESNA LTVDGVPVDS YLTRFWDEA KYPTMSPLKE VVDNIQSQVA KIEDDLKVRV
AEYNNIRGQL NAINRKQSGS LAVRDLSNLV KPEDIVESEH LVTLLAVVPK YSQKDWLACY ETLDYVVP
SSKKLFEDNE YALYTVTLFT RVADNFRIAA REKGFQVRDF EQSVEAQETR KQELAKLVQD QESLRSSLLQ
WCYTSYGEVF SSWMHFCAVR TFAESIMRYG LPPAFLACVL SPAVKSEKKV RSILERLCDS TNSLYWKSEE
DAGAMAGLAG DSETHPYVSF TINLA

Sequence Positions

1-375, 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

42,619 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.

NCBI Accession

NP_563916.1

NCBI GI

18391442

NCBI GenBank Nucleotide

NM_101154.4

NCBI GeneID

837840

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg

NCBI Official Full Name

(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-cell)
vacuolar ATP synthase subunit C (VATC) / V-ATPase C subunit / vacuolar proton pump C subunit (DET3)

NCBI Official Symbol

DET3

NCBI Official Synonym Symbols

ARABIDOPSIS THALIANA VACUOLAR ATP SYNTHASE SUBUNIT C; ATVHA-C; DE-ETIOLATED 3; F13K23.9; F13K23_9; VACUOLAR ATP SYNTHASE SUBUNIT C

NCBI Protein Information

vacuolar ATP synthase subunit C (VATC) / V-ATPase C subunit / vacuolar proton pump C subunit (DET3)

NCBI Summary

Encodes subunit C of the vacuolar H(+)-ATPase (V-ATPase). Bound and phosphorylated by AtWNK8.

UniProt Gene Name

VHA-C

UniProt Synonym Gene Names

DET3; VATC; V-ATPase subunit C

UniProt Protein Name

V-type proton ATPase subunit C

UniProt Synonym Protein Names

Vacuolar H(+)-ATPase subunit C; Vacuolar proton pump subunit C

UniProt Primary Accession

Q9SDS7

UniProt Related Accession

Q9SDS7

UniProt Comments

Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in its catalytic activity. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY