V-Type Proton Atpase Subunit H (VHA-H) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	V-type proton ATPase subunit H (VHA-H), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana V-type proton ATPase subunit H (VHA-H)
Product Gene Name	VHA-H recombinant protein
Product Synonym Gene Name	VHA-H
Sequence	MDQAELSIEQ VLKRDIPWET YMNTKLVSAK GLQLLRRYDK KPESARAQLL DEDGPAYVHL FVSILRDIFK EETVEYVLAL IYEMLSANPT RARLFHDESL ANEDTYEPFL RLLWKGNWFI QEKSCKILAW IISARPKAGN AVIGNGIDDV LKGLVEWLCA QLKQPSHPTR GVPIAISCLS SLLKEPVVRS SFVQADGVKL LVPLISPAST QQSIQLLYET CLCIWLLSYY EPAIEYLATS RTMQRLTEVV KHSTKEKVVR VVILTFRNLL PKGTFGAQMV DLGLPHIIHS LKTQAWSDED LLDALNQLEE GLKDKIKKLS SFDKYKQEVL LGHLDWNPMH KETNFWRENV TCFEENDFQI LRVLLTILDT SSDPRSLAVA CFDISQFIQY HAAGRVIVAD LKAKERVMKL INHENAEVTK NAILCIQRLL LGAKYASFLQ A
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	50,284 Da
Sequence Positions	1-441, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9LX65
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for VHA-H recombinant protein	MBS1326447 is a recombinant protein targeting VHA-H. Also known as Recombinant Arabidopsis thaliana V-type proton ATPase subunit H (VHA-H). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of VHA-H recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VHA-H. It may not necessarily be applicable to this product.

NCBI GI #	15228443
NCBI GeneID	823170
NCBI Accession #	NP_189791.1
UniProt Primary Accession #	Q9LX65

UniProt Related Accession #	Q9LX65
GenBank Nucleotide #	NM_114072.4
NCBI Official Full Name	vacuolar ATP synthase subunit H family protein
NCBI Official Symbol	AT3G42050
UniProt Protein Name	V-type proton ATPase subunit H
UniProt Synonym Protein Names	Vacuolar H(+)-ATPase subunit H; Vacuolar proton pump subunit H
UniProt Gene Name	VHA-H
UniProt Synonym Gene Names	V-ATPase subunit H
NCBI Protein Information	vacuolar ATP synthase subunit H family protein
UniProt Comments for VHA-H	Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit H activates the ATPase activity of the enzyme and couples ATPase activity to proton flow. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system ().
Research Articles on VHA-H	**1.** inhibition of the tonoplast-localized V-ATPase subunit isoform VHA-a3 does not impair cell expansion. By contrast, inhibition of the TGN-localized isoform VHA-a1 is sufficient to restrict cell expansion
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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