SEC12-Like Protein 1 (PHF1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	SEC12-like protein 1 (PHF1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana SEC12-like protein 1 (PHF1), partial
Product Gene Name	PHF1 recombinant protein
Product Synonym Gene Name	PHF1
Sequence	MEIEEASRES GHVVCGSWIR RPKKVNWVLI AKASKRRGSS VSSPALLNIF SFDPITASLS SSPLATHTLK DSDGDPVAVS VHPGGDYFVC STSKGGCKLF ELVGGATGIT ILAKELLPLQ NAGLQKCMAF SFDGSKLAVG GVDGCLRIME WPNLSVILDE PKAHKSIRDM DFSLDSEFLA TTSTDGSARI WKAEDGFPLS TLERSGDENI ELCRFSKDGT KPFLFCAAQR GDTPMVNVYD ISTWKKLGFK KLSRKTASTM AVSLDGKYIA LGGKDGDVSV AEVKTMEIYH YSKRLHLGQS IASLEFCPSE RVMLTTSSEW GEMVTKLTVP KEWKEWQ
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	43,767 Da
Sequence Positions	1-337
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 Q8GYE0
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PHF1 recombinant protein	MBS1454560 is a recombinant protein targeting PHF1. Also known as Recombinant Arabidopsis thaliana SEC12-like protein 1 (PHF1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PHF1 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 PHF1. It may not necessarily be applicable to this product.

NCBI GI #	18409509
NCBI GeneID	824384
NCBI Accession #	NP_566961.1
UniProt Primary Accession #	Q8GYE0
UniProt Secondary Accession #	Q9SUY6

UniProt Related Accession #	Q8GYE0
GenBank Nucleotide #	NM_115079.4
NCBI Official Full Name	phosphate transporter traffic facilitator1
NCBI Official Symbol	PHF1
NCBI Official Synonym Symbols	AtPHF1; phosphate transporter traffic facilitator1; T25B15.3
UniProt Protein Name	SEC12-like protein 1
UniProt Synonym Protein Names	Protein PHOSPHATE TRANSPORTER TRAFFIC FACILITATOR 1; PHF-1
Protein Family	PHD finger protein
UniProt Gene Name	PHF1
UniProt Synonym Gene Names	PHF-1
NCBI Protein Information	phosphate transporter traffic facilitator1
NCBI Summary for PHF1	Encodes a plant specific protein structurally related to the SEC12 proteins of the early secretory pathway. Mutation of PHF1 impairs Pi transport. Expression was detected in all tissues, and was induced by Pi starvation. Localized in endoplasmic reticulum (ER), and mutation of PHF1 resulted in ER retention and reduced accumulation of the plasma membrane PHT1;1 transporter.
UniProt Comments for PHF1	Involved in Pi uptake by facilitating the trafficking of PHT1-1/PHT1;1 from the endoplasmic reticulum to the plasma membrane.
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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