Protein Transport Protein Sec24-Like At3g07100 (AT3G07100) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein transport protein Sec24-like At3g07100 (At3g07100), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Protein transport protein Sec24-like At3g07100 (At3g07100) , partial
Product Gene Name	At3g07100 recombinant protein
Product Synonym Gene Name	At3g07100
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	113,960 Da
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 Q9SFU0
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At3g07100 recombinant protein	MBS1375769 is a recombinant protein targeting At3g07100. Also known as Recombinant Arabidopsis thaliana Protein transport protein Sec24-like At3g07100 (At3g07100) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At3g07100 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 At3g07100. It may not necessarily be applicable to this product.

NCBI GI #	30680129
NCBI GeneID	819896
NCBI Accession #	NP_187366.2
UniProt Primary Accession #	Q9SFU0
UniProt Secondary Accession #	Q56WS8; Q8L7A7
UniProt Related Accession #	Q9SFU0
GenBank Nucleotide #	NM_111590.4

NCBI Official Full Name	Sec23/Sec24 protein transport family protein
NCBI Official Symbol	ERMO2
NCBI Official Synonym Symbols	AtSEC24A; ENDOPLASMIC RETICULUM MORPHOLOGY 2; SEC24A
UniProt Protein Name	Protein transport protein Sec24-like At3g07100
Protein Family	Protein transport protein
UniProt Gene Name	At3g07100
NCBI Protein Information	Sec23/Sec24 protein transport family protein
NCBI Summary for At3g07100	Encodes SEC24a/ERMO2. Required for endoplasmic reticulum (ER) morphology.
UniProt Comments for At3g07100	Component of the COPII coat, that covers ER-derived vesicles involved in transport from the endoplasmic reticulum to the Golgi apparatus. COPII is composed of at least five proteins: the SEC23/24 complex, the SEC13/31 complex, and the protein SAR1. Acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum to the Golgi complex ().
Research Articles on At3g07100	**1.** Intercellular movement of Turnip Mosaic Virus replication vesicles thus requires endoplasmic reticulum export of viral 6K2, which is mediated by the interaction of the N-terminal domain of the viral protein with Arabidopsis Sec24a.
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