Inosine Triphosphate Pyrophosphatase (AT4G13720) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Inosine triphosphate pyrophosphatase (At4g13720), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Inosine triphosphate pyrophosphatase (At4g13720)
Product Gene Name	At4g13720 recombinant protein
Product Synonym Gene Name	At4g13720
Sequence	MAAAAAKAAV VLPRPVTFVT GNAKKLEEVK AIIGNSIPFK SLKLDLPELQ GEPEDISKEK ARLAALQVDG PVLVEDTCLC FNALKGLPGP YIKWFLEKLG HEGLNNLLMA YEDKSAYALC AFSFSRGPGA EPLTFLGKTP GKIVPARGPT DFGWDPVFQP DGYDQTYAEM AKEEKNKISH RYKSLALVKS HFKEAGYVFQ TDDGTI
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	22,478 Da
Sequence Positions	1-206, 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 Q8L968
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At4g13720 recombinant protein	MBS1439792 is a recombinant protein targeting At4g13720. Also known as Recombinant Arabidopsis thaliana Inosine triphosphate pyrophosphatase (At4g13720). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At4g13720 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 At4g13720. It may not necessarily be applicable to this product.

NCBI GI #	18414065
NCBI GeneID	827006
NCBI Accession #	NP_567410.1
UniProt Primary Accession #	Q8L968

UniProt Secondary Accession #	Q56ZI5; Q9SVP0
UniProt Related Accession #	Q8L968
GenBank Nucleotide #	NM_117446.3
NCBI Official Full Name	Inosine triphosphate pyrophosphatase family protein
NCBI Official Symbol	AT4G13720
NCBI Official Synonym Symbols	F18A5.110; F18A5_110
UniProt Protein Name	Inosine triphosphate pyrophosphatase
UniProt Synonym Protein Names	Non-canonical purine NTP pyrophosphatase
UniProt Gene Name	At4g13720
UniProt Synonym Gene Names	ITPase; Inosine triphosphatase; NTPase
NCBI Protein Information	Inosine triphosphate pyrophosphatase family protein
UniProt Comments for At4g13720	Pyrophosphatase that hydrolyzes non-canonical purine nucleotides such as inosine triphosphate (ITP), deoxyinosine triphosphate (dITP) or xanthosine 5'-triphosphate (XTP) to their respective monophosphate derivatives. The enzyme does not distinguish between the deoxy- and ribose forms. Probably excludes non-canonical purines from RNA and DNA precursor pools, thus preventing their incorporation into RNA and DNA and avoiding chromosomal lesions.
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