Probable Aminotransferase TAT2 (AT5G53970) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable aminotransferase TAT2 (At5g53970), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Probable aminotransferase TAT2 (At5g53970)
Product Gene Name	At5g53970 recombinant protein
Product Synonym Gene Name	At5g53970
Sequence	MENGATTTST ITIKGILSLL MESITTEEDE GGKRVISLGM GDPTLYSCFR TTQVSLQAVS DSLLSNKFHG YSPTVGLPQA RRAIAEYLSR DLPYKLSQDD VFITSGCTQA IDVALSMLAR PRANILLPRP GFPIYELCAK FRHLEVRYVD LLPENGWEID LDAVEALADE NTVALVVINP GNPCGNVYSY QHLMKIAESA KKLGFLVIAD EVYGHLAFGS KPFVPMGVFG SIVPVLTLGS LSKRWIVPGW RLGWFVTTDP SGSFKDPKII ERFKKYFDIL GGPATFIQAA VPTILEQTDE SFFKKTLNSL KNSSDICCDW IKEIPCIDSS HRPEGSMAMM VKLNLSLLED VSDDIDFCFK LAREESVILL PGTAVGLKNW LRITFAADAT SIEEAFKRIK CFYLRHAKTQ YPTI
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	45,902 Da
Sequence Positions	1-414, 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 Q9FN30
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At5g53970 recombinant protein	MBS1308955 is a recombinant protein targeting At5g53970. Also known as Recombinant Arabidopsis thaliana Probable aminotransferase TAT2 (At5g53970). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At5g53970 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 At5g53970. It may not necessarily be applicable to this product.

NCBI GI #	15239521
NCBI GeneID	835480
NCBI Accession #	NP_200208.1
UniProt Primary Accession #	Q9FN30

UniProt Secondary Accession #	Q8H146
UniProt Related Accession #	Q9FN30
GenBank Nucleotide #	NM_124776.5
NCBI Official Full Name	Tyrosine transaminase family protein
NCBI Official Symbol	TAT7
NCBI Official Synonym Symbols	K19P17.14; K19P17_14; tyrosine aminotransferase 7
UniProt Protein Name	Probable aminotransferase TAT2
UniProt Synonym Protein Names	Tyrosine aminotransferase 2
Protein Family	Probable aminotransferase
UniProt Gene Name	At5g53970
NCBI Protein Information	Tyrosine transaminase family protein
NCBI Summary for At5g53970	encodes tyrosine aminotransferase which is strongly induced upon aging and coronatine treatment
Research Articles on At5g53970	**1.** encodes a tyrosine aminotransferase important for the synthesis of tocopherols
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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