Probable Xyloglucan Endotransglucosylase/Hydrolase Protein 12 (XTH12) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable xyloglucan endotransglucosylase/hydrolase protein 12 (XTH12), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Probable xyloglucan endotransglucosylase/hydrolase protein 12 (XTH12)
Product Gene Name	XTH12 recombinant protein
Product Synonym Gene Name	XTH12
Sequence	SFYDSFDITW GAGRANIFES GQLLTCTLDK TSGSGFQSKK EYLFGKIDMK IKLVPGNSAG TVTAYYLSSK GETWDEIDFE FLGNVTGQPY VIHTNVFTGG KGNREMQFYL WFDPTADFHT YTVLWNPLNI IFLVDGIPIR VFKNNEANGV AYPKSQPMKI YSSLWEADDW ATQGGKVKTD WTNAPFSASY RSFNDVDCCS RTSIWNWVTC NANSNSWMWT TLNSNQLGQL KWVQKDYMIY NYCTDFKRFP QGLPTECNLN
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	32,190 Da
Sequence Positions	26-285, 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 Q9FKL9
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for XTH12 recombinant protein	MBS1307223 is a recombinant protein targeting XTH12. Also known as Recombinant Arabidopsis thaliana Probable xyloglucan endotransglucosylase/hydrolase protein 12 (XTH12). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of XTH12 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 XTH12. It may not necessarily be applicable to this product.

NCBI GI #	15242778
NCBI GeneID	835857
NCBI Accession #	NP_200561.1
UniProt Primary Accession #	Q9FKL9

UniProt Related Accession #	Q9FKL9
GenBank Nucleotide #	NM_125134.2
NCBI Official Full Name	xyloglucan endotransglucosylase/hydrolase 12
NCBI Official Symbol	XTH12
NCBI Official Synonym Symbols	AtXTH12; MUA2.10; MUA2_10; xyloglucan endotransglucosylase/hydrolase 12
UniProt Protein Name	Probable xyloglucan endotransglucosylase/hydrolase protein 12
Protein Family	Probable xyloglucan endotransglucosylase/hydrolase protein
UniProt Gene Name	XTH12
UniProt Synonym Gene Names	At-XTH12; XTH-12
NCBI Protein Information	xyloglucan endotransglucosylase/hydrolase 12
UniProt Comments for XTH12	Catalyzes xyloglucan endohydrolysis (XEH) and/or endotransglycosylation (XET). Cleaves and religates xyloglucan polymers, an essential constituent of the primary cell wall, and thereby participates in cell wall construction of growing tissues ().
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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