Putative Glycosyltransferase 5 (GT5) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative glycosyltransferase 5 (GT5), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Putative glycosyltransferase 5 (GT5), partial
Product Gene Name	GT5 recombinant protein
Product Synonym Gene Name	GT5
Sequence	MGQDGSPAHK RPSGSGGGLP TTTLTNGGGR GGRGGLLPRG RQMQKTFNNI K
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	51,728 Da
Sequence Positions	1-51
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 Q9CA75
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GT5 recombinant protein	MBS1342837 is a recombinant protein targeting GT5. Also known as Recombinant Arabidopsis thaliana Putative glycosyltransferase 5 (GT5), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GT5 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 GT5. It may not necessarily be applicable to this product.

NCBI GI #	15221224
NCBI GeneID	843779
NCBI Accession #	NP_177578.1
UniProt Primary Accession #	Q9CA75
UniProt Secondary Accession #	W8PVU0
UniProt Related Accession #	Q9CA75
GenBank Nucleotide #	NM_106098.4

NCBI Official Full Name	xyloglucan xylosyltransferase 5
NCBI Official Symbol	XXT5
NCBI Official Synonym Symbols	F1M20.6; F1M20_6; xyloglucan xylosyltransferase 5
UniProt Protein Name	Probable xyloglucan 6-xylosyltransferase 5
UniProt Synonym Protein Names	Putative glycosyltransferase 5 (EC:2.4.-.-); AtGT5
Protein Family	Anthocyanidin 3-O-glucosyltransferase
UniProt Gene Name	XXT5
UniProt Synonym Gene Names	AtGT5
NCBI Protein Information	xyloglucan xylosyltransferase 5
UniProt Comments for GT5	Probable xyloglucan xylosyltransferase involved in the biosynthesis of xyloglucan in roots. May act in association with XXT1 and XXT2 (PubMed:18557833). Associates with other xyloglucan-synthesizing enzymes to form multiprotein complexes for xyloglucan synthesis in the Golgi (PubMed:25392066).
Research Articles on GT5	**1.** XXT5 transfers a d-xylosyl residue from UDP-Xyl onto cellohexaose.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/putative-glycosyltransferase-5-gt5/1342837