Glycoprotein 3-Alpha-L-Fucosyltransferase A (FUT11) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycoprotein 3-alpha-L-fucosyltransferase A (FUT11), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Glycoprotein 3-alpha-L-fucosyltransferase A (FUT11) , partial
Product Gene Name	FUT11 recombinant protein
Product Synonym Gene Name	FUT11
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	56,205 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 Q9LJK1
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FUT11 recombinant protein	MBS1329813 is a recombinant protein targeting FUT11. Also known as Recombinant Arabidopsis thaliana Glycoprotein 3-alpha-L-fucosyltransferase A (FUT11) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of FUT11 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 FUT11. It may not necessarily be applicable to this product.

NCBI GI #	15230345
NCBI GeneID	821462
NCBI Accession #	NP_188559.1
UniProt Primary Accession #	Q9LJK1
UniProt Related Accession #	Q9LJK1
GenBank Nucleotide #	NM_112815.4
NCBI Official Full Name	fucosyltransferase 11
NCBI Official Symbol	FUT11

NCBI Official Synonym Symbols	ATFUT11; fucosyltransferase 11; FUCT; FUCT1; FUCTA
UniProt Protein Name	Glycoprotein 3-alpha-L-fucosyltransferase A
UniProt Synonym Protein Names	Core alpha-(1,3)-fucosyltransferase; Fuc-T C3; FucT1; FucTA; Fucosyltransferase 11; AtFUT11
Protein Family	Alpha-(1,3)-fucosyltransferase
UniProt Gene Name	FUT11
UniProt Synonym Gene Names	AtFUT11
NCBI Protein Information	fucosyltransferase 11
NCBI Summary for FUT11	Encodes a protein with core alpha1,3-fucosyltransferase activity.
UniProt Comments for FUT11	Involved in cell wall synthesis (Probable). Preferentially catalyzes the addition of fucose in alpha 1-3 linkage to the first GlcNAc residue next to the peptide chains in N-glycans (PubMed:11420147, PubMed:11696361, PubMed:21515584).
Research Articles on FUT11	**1.** the conserved serine (S218) within the novel first cluster motif, is essential for the enzyme activity of Arabidopsis thaliana FucTA
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