Galactoside 2-Alpha-L-Fucosyltransferase 1 (FUT1) Aotus Azarae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Galactoside 2-alpha-L-fucosyltransferase 1 (FUT1), Recombinant Protein
Full Product Name	Recombinant Aotus azarae Galactoside 2-alpha-L-fucosyltransferase 1 (FUT1), partial
Product Gene Name	FUT1 recombinant protein
Product Synonym Gene Name	FUT1
Sequence	MWPLSHRHLC LAFLLVCVLS AISFFLHIHQ DSIRHGLGLS VLCPDRRLVT PPVAIFCLPG TPMSPNTSSP CPQNSASLSG TWTIYPDGRF GNQMGQYATL LALAQLNGRR AFILPAMHAA LAPVFRITLP VLAPEVDSRT PWRELRLHDW MSEEYADLGD PFLKLSGFPC SWTFFHHLRE QIRSEFTLHD HLREEAQSVL RRLRLGRSGD QPRTFVGVHV RRGDYLQVMP QRWKGVVGNG AYLREAMDWF RARHEAPVFV VTSNGMDWCR ENIDASKGDV MFAGDGQEAS PWKDFALLTQ CNHTIMTIGT FGFWAAYLAG GDTVYLANFT LPDSEFLKIF KPEAAFLPEW VGINADLSPL WTLAEP
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	41,265 Da
Sequence Positions	1-366
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 Q866E6
Species	Aotus azarae (Southern owl monkey) (Aotus azarai)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FUT1 recombinant protein	MBS1281854 is a recombinant protein targeting FUT1. Also known as Recombinant Aotus azarae Galactoside 2-alpha-L-fucosyltransferase 1 (FUT1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of FUT1 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 FUT1. It may not necessarily be applicable to this product.

NCBI GI #	62510636
NCBI Accession #	Q866E6.1
UniProt Primary Accession #	Q866E6
NCBI Official Full Name	Galactoside 2-alpha-L-fucosyltransferase 1

UniProt Protein Name	Galactoside 2-alpha-L-fucosyltransferase 1
UniProt Synonym Protein Names	Alpha(1,2)FT 1; Fucosyltransferase 1; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1
Protein Family	Galactoside 2-alpha-L-fucosyltransferase
UniProt Gene Name	FUT1
UniProt Comments for FUT1	Creates a soluble precursor oligosaccharide FuC-alpha ((1,2)Gal-beta-) called the H antigen which is an essential substrate for the final step in the soluble A and B antigen synthesis pathway.
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