FUT6 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	FUT6, Blocking Peptide
Full Product Name	FUT6 Blocking Peptide
Product Gene Name	FUT6 blocking peptide
Product Synonym Names	FUT6 Antibody - N-terminal; Alpha (1,3) fucosyltransferase; EC=2.4.1.65; FCT3A; FT1A; Fuc TVI; fucosyltransferase 6 (alpha (1,3) fucosyltransferase); Fucosyltransferase 6; Fucosyltransferase VI; FucT VI; Galactoside 3 L fucosyltransferase;
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	FUT6 peptide (MBS9621729) is used for blocking the activity of FUT6 antibody (MBS9611776)
Molecular Weight	359
OMIM	gene 613852
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for FUT6 blocking peptide	Blocking/Control
Related Product Information for FUT6 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of FUT6 blocking peptide 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.
Searchable Terms for FUT6 purchase	MBS9621729 is a blocking peptide targeting FUT6.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FUT6. It may not necessarily be applicable to this product.

NCBI GI #	1730136
NCBI GeneID	2528
NCBI Accession #	P51993.1
UniProt Primary Accession #	P51993
UniProt Secondary Accession #	Q9UND8; A6NEX0; D6W637

UniProt Related Accession #	P51993
NCBI Official Full Name	Alpha-(1,3)-fucosyltransferase 6
NCBI Official Synonym Full Names	fucosyltransferase 6 (alpha (1,3) fucosyltransferase)
NCBI Official Symbol	FUT6
NCBI Official Synonym Symbols	FT1A; FCT3A; Fuc-TVI; FucT-VI
UniProt Protein Name	Alpha-(1,3)-fucosyltransferase 6
UniProt Synonym Protein Names	Fucosyltransferase 6; Fucosyltransferase VI; Fuc-TVI; FucT-VI; Galactoside 3-L-fucosyltransferase
Protein Family	Alpha-(1,3)-fucosyltransferase
UniProt Gene Name	FUT6
UniProt Synonym Gene Names	FCT3A; Fuc-TVI; FucT-VI
UniProt Entry Name	FUT6_HUMAN
NCBI Protein Information	alpha-(1,3)-fucosyltransferase 6; alpha-(1,3)-fucosyltransferase 6; fucosyltransferase VI; galactoside 3-L-fucosyltransferase
NCBI Summary for FUT6	The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of sialyl-Lewis X, an E-selectin ligand. Mutations in this gene are a cause of fucosyltransferase-6 deficiency. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for FUT6	FUT6: Enzyme involved in the biosynthesis of the E-Selectin ligand, sialyl-Lewis X. Catalyzes the transfer of fucose from GDP- beta-fucose to alpha-2,3 sialylated substrates. Belongs to the glycosyltransferase 10 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transferase; EC 2.4.1.65; Membrane protein, integral; Glycan Metabolism - glycosphingolipid biosynthesis - lacto and neolacto series Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: Golgi apparatus; integral to membrane Molecular Function: 3-galactosyl-N-acetylglucosaminide 4-alpha-L-fucosyltransferase activity; alpha(1,3)-fucosyltransferase activity; fucosyltransferase activity Biological Process: protein amino acid glycosylation; L-fucose catabolic process Disease: Fucosyltransferase 6 Deficiency
Research Articles on FUT6	**1.** Results suggest that FUT4-, FUT6- or FUT8-mediated MDR in human HCC is associated with the activation of the PI3K/Akt pathway and the expression of MRP1.
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/blocking-peptide/fut6/9621729