GALNT6 Blocking Peptide

PRODUCT OVERVIEW

Product Name	GALNT6, Blocking Peptide
Full Product Name	GALNT6 Peptide
Product Gene Name	GALNT6 blocking peptide
Product Synonym Gene Name	GALNAC-T6; GalNAcT6
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	GALNT6 peptide (MBS3233311) is used for blocking the activity of GALNT6 antibody (MBS3208349)
Molecular Weight	71kDa
OMIM	605148
Product Categories/Family for GALNT6 blocking peptide	Peptide
Applications Tested/Suitable for GALNT6 blocking peptide	Western Blot (WB)
Related Product Information for GALNT6 blocking peptide	This is a synthetic peptide designed for use in combination with anti-GALNT6 antibody made Target Description: GALNT6 is a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. GALNT6 is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin.This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-3 BC035822.1 1-3 4-130 DB001644.1 179-305 131-2654 BC035822.1 134-2657 2655-4520 AC046135.15 108099-109964 c
Other Notes	Small volumes of GALNT6 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 GALNT6 purchase	MBS3233311 is a blocking peptide targeting GALNT6. Also known as GALNT6 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GALNT6. It may not necessarily be applicable to this product.

NCBI GI #	115298684

NCBI GeneID	11226
NCBI Accession #	NP_009141
UniProt Primary Accession #	Q8NCL4
UniProt Related Accession #	Q8NCL4
GenBank Nucleotide #	NM_007210
NCBI Official Full Name	polypeptide N-acetylgalactosaminyltransferase 6
NCBI Official Synonym Full Names	polypeptide N-acetylgalactosaminyltransferase 6
NCBI Official Symbol	GALNT6
NCBI Official Synonym Symbols	GalNAcT6; GALNAC-T6
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 6
UniProt Synonym Protein Names	Polypeptide GalNAc transferase 6; GalNAc-T6; pp-GaNTase 6; Protein-UDP acetylgalactosaminyltransferase 6; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6
Protein Family	Polypeptide N-acetylgalactosaminyltransferase
UniProt Gene Name	GALNT6
UniProt Synonym Gene Names	GalNAc-T6; pp-GaNTase 6
UniProt Entry Name	GALT6_HUMAN
NCBI Protein Information	polypeptide N-acetylgalactosaminyltransferase 6
NCBI Summary for GALNT6	This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin. [provided by RefSeq, Jul 2008]
Research Articles on GALNT6	**1.** O-glycosylation of ER-alpha by GALNT6 in breast cancer cells.
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