

Product Information

MemDX™ Membrane Protein Human GALNT6 (Polypeptide N-acetylgalactosaminyltransferase 6) Full Length

Cat. No.: **MPC3126K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human GALNT6 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GALNT6

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MRLLRRRHMPRLRLAMVGCAFLFLFLLHRDVSSREEATEKPWLKSLVSRK
DHVLDLMLEAMNLRDSMPKLQIRAPEAQQTLSINQSCLPGFYTPAELK
PFWERPPQDPNAPGADGKAFQKSKWTPLETQEKEEGYKKHCFNAFASDRI
SLQRSGLPDRPPECVDQKFRRCPLATTSVIIVFHNEAWSTLLRTVYSV
LHTTPAILLKEIILVDDASTEHLKEKLEQYVKQLQVVRVVRQEERKGLI
TARLLGASVAQAEVLTFLDAHCECFHGWLEPLLARIAEDKTVVSPDIVT
IDLNTFEFAKPVQRGRVHSRGNFDWSLTFGWETLPPHEKQRRKDETYPIK
SPTFAGGLFSISKSYFEHIGTYDNQMEIWGGENVEMSFVRVWQCGGQLEII
PCSVVGHVVRTKSPHTFPKGTSVIARNQVRLAEVWMDSYKKIFYRRNLQA
AKMAQEKSFGDISERLQLREQLHCHNFSWYLHNVPPEMFVDPDLTPTFYGA
IKNLGTNQCLDVGENNRGGKPLIMYSCHGLGGNQYFEYTTQRDLRHNIK
QLCLHVSKGALGLGSCHFTGKNSQVPKDEEWELAQDQLIRNSGSGTCLTS
QDKKPAMAPCNPSDPHQLWLFV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GALNT6

Full Name

Polypeptide N-acetylgalactosaminyltransferase 6

Introduction

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 luminal 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.

Alternative Names

GALNT6; GalNAcT6; GALNAC-T6; GalNAc transferase 6; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6; UDP-N-acetyl-alpha-D-galactosamine: polypeptide N-acetylgalactosaminyltransferase 6; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6); polypeptide GalNAc transferase 6; pp-GaNTase 6; protein-UDP acetylgalactosaminyltransferase 6; Polypeptide N-acetylgalactosaminyltransferase 6

Gene ID

[11226](#)

UniProt ID

[Q8NCL4](#)