

Recombinant Full Length Human GALNT6 Protein, GST-tagged

Cat. No. GALNT6-5268HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GALNT6 full-length ORF (NP_009141.2, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	622 amino acids
Description	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. [provided by RefSeq]
Molecular Mass	97.6 kDa
AA Sequence	MRLLRRRHMPLRLAMVGCAFVLFLFLLHRDVSSREEATEKPWLKSLVSRKDHVLDL MLEAMNNLRDSMPKLQIRAPEAQQTFLFSINQSCLPGFYTPAELKPFWERPPQDPNA PGADGKAFQKSKWTPLETQEKEEGYKKHCFNAFASDRISLQ RSLGPDTRPPECVD

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QKFRRCPLATTSVIIVFHNEAWSTLLRTVYSVLHTTPAILLKEILVDDASTEHLKEK
LEQYVKQLQVVRVVRQEERKGLITARLLGASVAQAEVLTFLDAHCECFHGWLEPLLA
RIAEDKTVVSPDIVTIDLNTFEFAKPVQRGRVHSRGNFDWSLTFGWETLPPHEKQR
RKDETYPIKSPTFAGGLFSISKSYFEHIGTYDNQMEIWGGENVEMSFVRVWQCGGQL
EIIPCSVVGHVFRTKSPHTFPKGTSVIARNQVRLAEVWMDSYKKIFYRRNLQAAKMA
QEKSFGLDISERLQLREQLHCHNFSWYLHNVPFVPDLTPTFYGAIKNLGTNQCL
DVGENNRGGKPLIMYSCHGLGGNQYFEYTTQRDLRHNIQKQLCLHVS KGALGLGSC
HFTGKNSQVPKDEEWELAQDQLIRNSGSGTCLTSQDKKPAMAPCNPSPDPHQLWLF
V

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name GALNT6 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6) [Homo sapiens]

Official Symbol GALNT6

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

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GalNAc transferase 6; protein-UDP acetylgalactosaminyltransferase 6; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6; UDP-N-acetyl-alpha-D-galactosamine: polypeptide N-acetylgalactosaminyltransferase 6; GalNAcT6; GALNAC-T6;

Gene ID 11226

mRNA Refseq NM_007210

Protein Refseq NP_009141

MIM 605148

UniProt ID Q8NCL4

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