

Product datasheet for **TP307728**

GALNT6 (NM_007210) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6) (GALNT6), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207728 protein sequence
Red=Cloning site **Green**=Tags(s)

MRLRRRRHMPRLAMVGCAFLFLFLLHRDVSSREEATEKPWLKSLVSRKDHVLDLMLEAMNNLRDSMPK
LQIRAPEAQQTLSINQSCLPGFYTPAELKPFWERPPQDPNAPGADGKAFQKSKWTPLETQEKEEGYKKH
CFNAFASDRISLQRS LGPDTRPPECVDQKFRRCPLATTSVIIVFHNEAWSTLLRTVSVLHTTPAILLK
EILVDDASTEHLKEKLEQYVKQLQVVRVVRQEERKGLITARLLGASVAQAEVLTFLDAHCECFHGWLE
PLLARIAEDKTWVSPDIVTIDLNTFEFAKPVQRGRVHSRGNFDWSLTFGWETLPPHEKQRRKDETYPIK
SPTFAGGLFSISKSYFEHIGTYDNQMEIWGGENVMSFRVWQCGGLEIIPCSVGVHVFRTKSPHTFPKG
TSVIARNQVRLAEVWMDSYKKIFYRRNLQAAKMAQEKSGFDISERLQLREQLHCHNFSWYLNHVPEMFV
PDLTPTFYGAIKNLGTNQCLDVGENNRGGKPLIMYSCHGLGGNQYFEYTTQRDLRHNIQKQLCLHVS KGA
LGLGSCHFTGKNSQVPKDEEWELAQDQLIRNSGSGTCLTSQDKKPAMAPCNPSDPHQLWLFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 71 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

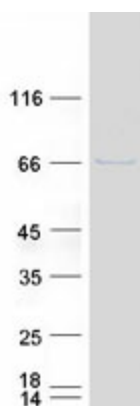
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_009141
Locus ID:	11226
UniProt ID:	Q8NCL4
RefSeq Size:	4520
Cytogenetics:	12q13.13
RefSeq ORF:	1866
Synonyms:	GALNAC-T6; GalNacT6
Summary:	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, Jul 2008]
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis

Product images:



Coomassie blue staining of purified GALNT6 protein (Cat# TP307728). The protein was produced from HEK293T cells transfected with GALNT6 cDNA clone (Cat# [RC207728]) using MegaTran 2.0 (Cat# [TT210002]).