

## Product datasheet for **TP307728L**

### **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), 1 mg

**Species:** Human

**Expression Host:** HEK293T

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

MRLRRRRHMPLRLAMVGCASFVLFLLHRDVSSREEATEKPWLKSLVSRKDHVLDLMLEAMNNLRDSMPK  
LQIRAPEAQQLFSINQSCLPGFYTPAELKPFWERPPQDPNAPGADGKAFQKSKWTPLETQEKEEGYKKH  
CFNAFASDRISLQRS LGPDTRPPECVDQKFRRCPLATTSVIIVFHNEAWSTLLRTVYSVLHHTPAILLK  
EILVDDASTEHLKEKLEQYVKQLQVVRVVRQEERKGLITARLLGASVAQAEVLTFLDAHCECFHGWLE  
PLLARIAEDKTWWSPDIVTIDLNTFEFAKPVQRGRVHSRGNFDWSLTFGWETLPPHEKQRRKDETYPIK  
SPTFAGGLFSISKSYFEHIGTYDNQMEIWGGENVEMSFVRVWQCGGQLEIIPCSVGHVFRKSPHTFPKG  
TSVIARNQVRLAEVWMDSYKKIFYRRNLQAAKMAQEKSFGDISERLQLREQLHCHNFSWYLHNVYPEMFV  
PDLTPTFYGAIKNLGTNQCLDVGENNRGGKPLIMYSCHLGGNQYFEYTTQRDLRHNIQKQLCLHVS 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

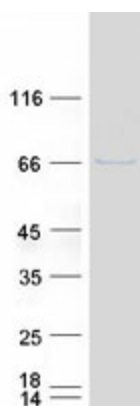
**Synonyms:** GALNAC-T6; GalNAcT6

**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]).