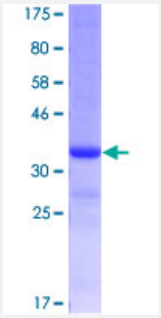
GALNT6 (Human) Recombinant Protein (Q01)

Catalog # H00011226-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GALNT6 partial ORF (NP_009141, 523 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IMYSCHGLGGNQYFEYTTQRDLRHNIAKQLCLHVSKGALGLGSCHFTGKNSQVPKDEEWELAQD QLIRNSGSGTCLTSQDKKPAMAPCNPSDPHQLWLFV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (88); Rat (87)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GALNT6

Entrez GeneID	11226
GeneBank Accession#	NM_007210
Protein Accession#	NP_009141
Gene Name	GALNT6
Gene Alias	GALNAC-T6, GalNAcT6
Gene Description	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6)
Omim ID	605148
Gene Ontology	Hyperlink
Gene 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 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
Other Designations	GalNAc transferase 6|UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6|polypeptide N-acetylgalactosaminyltransferase 6|protein-UDP acetylgalactosaminyltransferase 6

Pathway

- Metabolic pathways
- O-Glycan biosynthesis

Disease

- Tobacco Use Disorder