

Recombinant Human GALNT1 Protein, GST-tagged

Cat. No. GALNT1-4689H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GALNT1 full-length ORF (AAH47746.1, 1 a.a. - 105 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. Transcript variants derived from this gene that utilize alternative polyA signals have been described in the literature. [provided by RefSeq]
Molecular Mass	38.4 kDa
AA Sequence	MRKFAYCKVVLATSLIWVLLDMFLLLYFSECNKCDEKKERGLPAGDVLEPVQKPHEGPGEMGKPVVIPKEDQEKMKEMFKINQFNLMASEMIALNRSPLDVRLEG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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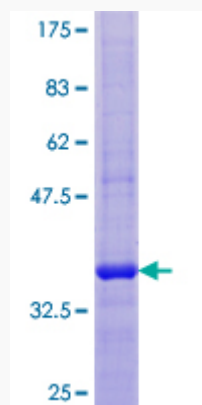
	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GALNT1 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1) [Homo sapiens]
Official Symbol	GALNT1
Synonyms	GALNT1; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1); polypeptide N-acetylgalactosaminyltransferase 1; GalNAc T1; protein UDP acetylgalactosaminyltransferase 1; pp-GaNTase 1; GalNAc transferase 1; polypeptide GalNAc transferase 1; protein-UDP acetylgalactosaminyltransferase 1; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 1; GALNAC-T1;
Gene ID	2589
mRNA Refseq	NM_020474
Protein Refseq	NP_065207
MIM	602273
UniProt ID	Q10472

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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