Recombinant Full Length Human GALNT9 Protein, GST-tagged

Cat. No. GALNT9-5303HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GALNT9 full-length ORF (NP_068580.2, 1 a.a. - 237 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	237 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 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. This gene is expressed specifically in the brain, with highest expression in the cerebellum. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Molecular Mass	53.6 kDa
AA Sequence	MEVLPCSRVAHIERTRKPYNNDIDYYAKRNALRAAEVWMDDFKSHVYMAWNIPMSN PGVDFGDVSERLALRQRLKCRSFKWYLENVYPEMRVYNNTLTYGEVRNSKASAYC LDQGAEDGDRAILYPCHGMSSQLVRYSADGLLQLGPLGSTAFLPDSKCLVDDGTGR

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	MPTLKKCEDVARPTQRLWDFTQSGPIVSRATGRCLEVEMSKDANFGLRLVVQRCS GQKWMIRNWIKHARH
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	GALNT9 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9) [Homo sapiens]
Official Symbol	GALNT9
Synonyms	GALNT9; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9); polypeptide N-acetylgalactosaminyltransferase 9; GALNAC T9; pp-GaNTase 9; GalNAc transferase 9; polypeptide GalNAc transferase 9; protein-UDP acetylgalactosaminyltransferase 9; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 9; UDP-GalNAc: polypeptide N-acetylgalactosaminyltransferase 9; GALNAC-T9;
Gene ID	50614
mRNA Refseq	NM_001122636

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Protein Refseq	NP_001116108
MIM	606251
UniProt ID	Q9HCQ5

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