

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
Protein Length	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 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. 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 PGVDFGDVSERLALRQLKCRSFKWYLENVPEMRVYNNTLTYGEVRNSKASAYC LDQGAEDGDRAILYPCHGMSSQLVRY SADGLLQLGPLGSTAFLPDSKCLVDDGTGR

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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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