

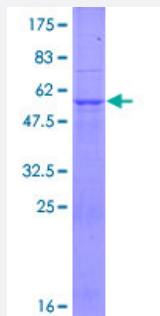
Full-Length

GALNT9 (Human) Recombinant Protein (P01)

Catalog # H00050614-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GALNT9 full-length ORF (NP_068580.2, 1 a.a. - 237 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEVLPCSRVAHIERTRKPYNNIDYYAKRNALRAAEVWDDFKSHVYMAWNIPMSNPGVDFGDV
SERLALRQRLKCRSFKWYLENVYEMRVYNNLTLYGEVRNSKASAYCLDQGAEDGDRAILYPCH
GMSSQLVRYSDGLLQLGPLGSTAFLPDSKCLVDDGTGRMPTLKKCEDVARPTQRLWDFTQSG
PIVSRATGRCLEVEMSKDANFGLRLVVQRCSGQKWMIRNWIKHARH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53.6

Interspecies Antigen Sequence

Mouse (95); Rat (96)

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 — GALNT9

Entrez GeneID [50614](#)

GeneBank Accession# [NM_021808.2](#)

Protein Accession# [NP_068580.2](#)

Gene Name GALNT9

Gene Alias GALNAC-T9

Gene Description UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAC-T9)

Omim ID [606251](#)

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 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]

Other Designations GalNAC transferase 9|UDP-GalNAC: polypeptide N-acetylgalactosaminyltransferase 9|UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9|polypeptide N-acetylgalactosaminyltransferase 9|protein-UDP acetylgalactosaminyltransferase

Pathway

- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)