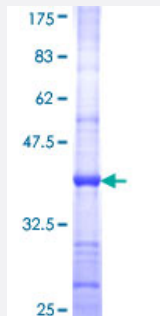


GALNT9 (Human) Recombinant Protein (Q01)

Catalog # H00050614-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human GALNT9 partial ORF (NP_068580, 138 a.a. - 237 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SADGLLQLGPLGSTAFLPDSKCLVDDGTGRMPTLKKCEDVARPTQRLWDFQTQSGPMSRATGRC LEVEMSKDANFGLRLVVQRCSGQKWMIRNWIKHARH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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
Protein Accession#	NP_068580
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-acetylglactosaminyltransferase (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](#)