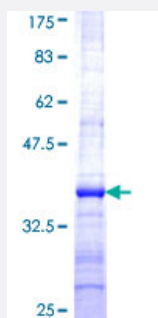


GALNT10 (Human) Recombinant Protein (Q01)

Catalog # H00055568-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GALNT10 partial ORF (NP_938080, 503 a.a. - 602 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FTFTWREDIRPGDPQHTKKFCFDAISHTSPVTLYDCHSMKGNQLWKYRKDKTLYHPVSGSCMDC SESDHRIFMNTCNPSSLTQQWLFETHNSTVLEKFNR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96); Rat (98)
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 — GALNT10

Entrez GeneID	55568
GeneBank Accession#	NM_198321
Protein Accession#	NP_938080
Gene Name	GALNT10
Gene Alias	DKFZp586H0623, FLJ00205, FLJ11715, GalNAcT10, pp-GalNAc-T10
Gene Description	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10)
Omim ID	608043
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the polypeptide N-acetylgalactosaminyltransferase (pp-GalNAc-T) gene family. Polypeptide GalNAc transferases initiate the synthesis of mucin-type oligosaccharides by transferring GalNAc from UDP-GalNAc to the hydroxyl group of either a serine or threonine residue on the polypeptide acceptor. Following expression in insect cells, recombinant GalNAc transferase 10 showed significant GalNAcT activity toward mucin-derived peptides, and it utilized both nonglycosylated and glycosylated peptide substrates. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	GalNAc transferase 10 polypeptide N-acetylgalactosaminyltransferase 10

Pathway

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

Disease

- [Tobacco Use Disorder](#)