

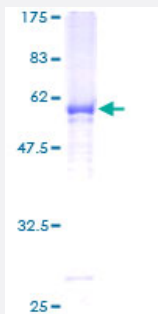
Full-Length

GALNT12 (Human) Recombinant Protein (P01)

Catalog # H00079695-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GALNT12 full-length ORF (AAH13945, 1 a.a. - 272 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGGLFAVSKKYEYLGSYDTGMEVWGGENLEFSFRWQCGGVLETHPCSHVGHVFPKQAPYS
RNKALANSVRAAEVWMDEFKELYHRNPRARLEPGDVTERKQLRDKLQCKDFKWFLTVYPE
LHVPEDRPGSFGMLQNKGLTDYCFDYNPPDENQIVGHQVILYLCHGMGQNQFFEYTSQKEIRYNT
HQPEGCIAVEAGMDTLIMHLCEETAPENQKFILQEDGSLFHEQSKKCVQAARKESSDSFVPLLRD
CTNSDHQKWFFKERML

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

55.66

Interspecies Antigen Sequence

Mouse (83); Rat (81)

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 — GALNT12

Entrez GeneID[79695](#)**GeneBank Accession#**[BC013945](#)**Protein Accession#**[AAH13945](#)**Gene Name**

GALNT12

Gene Alias

FLJ21212, GalNAc-T12

Gene Description

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12)

Omim ID[610290](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

GALNT12 is a member of a family of UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferases (EC 2.4.1.41), which catalyze the transfer of N-acetylgalactosamine (GalNAc) from UDP-GalNAc to a hydroxyl amino acid on a polypeptide acceptor in the initial step of mucin-type O-linked protein glycosylation (Guo et al., 2002 [PubMed 12135769]).[supplied by OMIM]

Other Designations

OTTHUMP00000021781|UDP-GalNAc: polypeptide N-acetylgalactosaminyltransferase|polypeptide N-acetylgalactosaminyltransferase 12

Pathway

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

Disease

- [Colon cancer](#)
- [Colonic Neoplasms](#)