

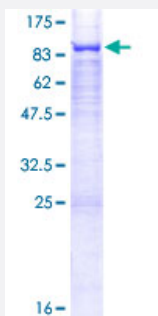
Full-Length

GALNT13 (Human) Recombinant Protein (P01)

Catalog # H00114805-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GALNT13 full-length ORF (NP_443149.1, 1 a.a. - 556 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRRSVYCKVVLATSLMWWLVDVFLLLYFSECNKCDDKKERSLLPALRAVISRNQEGPGEMGKAV
LIPKDDQEKMKELFKINQFNLMASDLALNRSLPDVRLEGCKTKVYPDELNTSVVVFHNEAWST
LLRTVYSVINRSPHYLLSEVILVDDASERDFLKLLENYVKNLEVPVKIIRMEERSGLIRARLRGAAA
SKGQVITFLDAHCECTLGWLEPLLARIKEDRKTVCPIIDVISDDTFEYMAGSDMTYGGFNWKLNF
RWYPVPQREMDRRKGDRTLTPVRTPTMAGGLFSIDRNYFEEIGTYDAGMDIWGGENLEMSFRWQ
CGGSLEIMTCSHVGHVFRKATPYTFPGGTGHVINKNNRRLAEVWMDEFKDDFFYIISPGVVKVDYGD
VSVRKTLENLCKPFSWYLENIYPDSQIPRRYSLGEIRNVETNQCLDNMGRKENEKVGIFNCHG
MGGNQVFSYTADKEIRTDCLDVSRLNGPVMILKCHHMRGNQLWEYDAERLTLRHVNSNQCLD
EPSEEDKMVPTMQDCSGSRSQQWLLRNMTLGT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

90.4

Interspecies Antigen Sequence

Mouse (99); Rat (99)

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 — GALNT13

Entrez GeneID	114805
GeneBank Accession#	NM_052917.1
Protein Accession#	NP_443149.1
Gene Name	GALNT13
Gene Alias	FLJ16031, FLJ41157, GalNAc-T13, H_NH0187G20.1, KIAA1918, MGC119459, MGC119461, WUGSC:H_NH0187G20.1
Gene Description	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13)
Omim ID	608369
Gene Ontology	Hyperlink
Gene Summary	The GALNT13 protein is a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAcT; EC 2.4.1.41) family, which initiate O-linked glycosylation of mucins (see MUC3A, MIM 158371) by the initial transfer of N-acetylgalactosamine (GalNAc) with an alpha-linkage to a serine or threonine residue.[supplied by OMIM]
Other Designations	GalNAc transferase 13 OTTHUMP00000162746 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13

Pathway

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

Disease

- [Carcinoma](#)
- [Esophageal Neoplasms](#)
- [Tobacco Use Disorder](#)