

## Active Recombinant Human GALNT13 protein, His-tagged

Cat. No. GALNT13-622H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GALNT13(Ser29-Thr556) fused with His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	29-556 a.a.
<b>Predicted N Terminal</b>	Ser29
<b>Form</b>	Supplied as a 0.2 µm filtered solution in Tris and NaCl.
<b>Bio-activity</b>	Measured by its ability to transfer GalNAc from UDP-GalNAc to peptide EA2. The specific activity is >600 pmol/min/µg.
<b>Molecular Mass</b>	Predicted Molecular Mass: 61 kDa; SDS-PAGE: 60-70 kDa, reducing conditions.
<b>Endotoxin</b>	<1.0 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Avoid repeated freeze-thaw cycles.

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6 months from date of receipt, -20 to -70 centigrade as supplied.  
 3 months, -20 to -70 centigrade under sterile conditions after opening.

## GENE INFORMATION

<b>Gene Name</b>	GALNT13 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13) [ Homo sapiens ]
<b>Official Symbol</b>	GALNT13
<b>Synonyms</b>	GALNT13; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13); polypeptide N-acetylgalactosaminyltransferase 13; GalNAc T13; KIAA1918; UDP N acetyl alpha D galactosamine:polypeptide N acetylgalactosaminyltransferase 13; pp-GaNTase 13; GalNAc transferase 13; polypeptide GalNAc transferase 13; protein-UDP acetylgalactosaminyltransferase 13; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 13; GalNAc-T13; FLJ16031; FLJ41157; H_NH0187G20.1; MGC119459; MGC119461; WUGSC:H_NH0187G20.1;
<b>Gene ID</b>	114805
<b>mRNA Refseq</b>	NM_052917
<b>Protein Refseq</b>	NP_443149
<b>MIM</b>	608369
<b>UniProt ID</b>	Q8IUC8
<b>Chromosome Location</b>	2q24.1

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**Pathway**

Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem; O-glycan biosynthesis, mucin type core, organism-specific biosystem; O-glycan biosynthesis, mucin type core, conserved biosystem; O-linked glycosylation of mucins, organism-specific biosystem;

**Function**

polypeptide N-acetylgalactosaminyltransferase activity; sugar binding; transferase activity, transferring glycosyl groups;

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