

Recombinant Human GALNT10, His-tagged

Cat. No. GALNT10-291H Lot. No. (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human GALNT10 (NP_938080.1) (Thr39-Asn603) was expressed with an N-terminal polyhistidine tag.
Species	Human
Source	Human Cells
ProteinLength	Thr39-Asn603
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human GALNT10 comprises 584 amino acids and has a predicted molecular mass of 67 kDa. The apparent molecular mass of the protein is approximately 63.5 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution Hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	GALNT10 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10) [Homo sapiens]
Official Symbol	GALNT10
Synonyms	GALNACT10; PPGALNACT10; PPGANTASE10
Gene ID	55568
mRNA Refseq	NM_198321.3
Protein Refseq	NP_938080.1
MIM	608043
UniProt ID	Q86SR1
Chromosome Location	5q33.2
Pathway	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;Post-translational protein modification, organism-specific biosystem;

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Function

carbohydrate binding;metal ion binding;polypeptide N-acetylgalactosaminyltransferase activity;

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