Recombinant Human GALNT2

Cat. No. GALNT2-27303TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human GALNT2 with an N terminal proprietary tag; Predicted MW 36.52kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	This gene encodes polypeptide N-acetylgalactosaminyltransferase 2, a member of th e GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosacch aride biosynthesis. Individual GalNAc-transferases have distinct activities and initiatio n of O-glycosylation in a cell is regulated by a repertoire of GalNAc-transferases.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Widely expressed.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	CHNAGGNQEWALTKEKSVKHMDLCLTVVDRAPGSLIKLQGCRENDSRQKWEQIEG NSKLRHVGSNLCLDSRTAKSGGLSVEVCGPALSQQWKFTLNLQQ
Sequence Similarities	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily.Contains 1 ricin B-type lectin domain.

GENE INFORMATION

Gene Name	GALNT2 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2) [Homo sapiens]
Official Symbol	GALNT2
Synonyms	GALNT2; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2); polypeptide N-acetylgalactosaminyltransferase 2; GalNAc T2;
Gene ID	2590
mRNA Refseq	NM_004481
Protein Refseq	NP_004472
MIM	602274
Uniprot ID	Q10471
Chromosome	1q41-q42

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Location	
Pathway	Metabolic pathways, 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;
Function	manganese ion binding; polypeptide N-acetylgalactosaminyltransferase activity; sugar binding; transferase activity, transferring glycosyl groups;

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