Recombinant Human GALNT12 cell lysate

Cat. No. GALNT12-681HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	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]).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	GALNT12 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12) [Homo sapiens]
Official Symbol	GALNT12
Synonyms	GALNT12; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12); polypeptide N-

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	acetylgalactosaminyltransferase 12; FLJ21212; pp-GaNTase 12; polypeptide GalNAc transferase 12; colorectal cancer, susceptibility to 1; protein-UDP acetylgalactosaminyltransferase 12; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 12; CRCS1; GalNAc-T12;
Gene ID	79695
mRNA Refseq	NM_024642
Protein Refseq	NP_078918
MIM	610290
UniProt ID	Q8IXK2
Chromosome Location	9q22.33
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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