

## Recombinant Human GCNT3, His-tagged

Cat. No. GCNT3-13200H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GCNT3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-438a.a.
<b>Description</b>	This gene encodes polypeptide N-acetylgalactosaminyltransferase 2, a member of the 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 oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation in a cell is regulated by a repertoire of GalNAc-transferases.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

**Gene Name** GCNT3 glucosaminyl (N-acetyl) transferase 3, mucin type [ Homo sapiens ]

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<b>Official Symbol</b>	GCNT3
<b>Synonyms</b>	GCNT3; glucosaminyl (N-acetyl) transferase 3, mucin type; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3; C2/4GnT; C2GnT M; C2GnT2; hC2GnT-M; C2GnT-mucin type; beta1,6GlcNAc-transferase; beta1,6-N-acetylglucosaminyltransferase-M; core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase; mucus-type core 2 beta-1,6-N-acetylglucosaminyltransferase; GNTM; C24GNT; C2GNT2; C2GNTM;
<b>Gene ID</b>	9245
<b>mRNA Refseq</b>	NM_004751
<b>Protein Refseq</b>	NP_004742
<b>MIM</b>	606836
<b>UniProt ID</b>	O95395
<b>Chromosome Location</b>	15q22
<b>Pathway</b>	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;
<b>Function</b>	N-acetylglucosaminyl transferase activity; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase activity;

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transferase activity, transferring glycosyl groups;

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