

Recombinant Human GCNT1 Protein, GST-tagged

Cat. No. GCNT1-4804H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GCNT1 full-length ORF (NP_001481.2, 1 a.a. - 428 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the beta-1,6-N-acetylglucosaminyltransferase gene family. It is essential to the formation of Gal beta 1-3(GlcNAc beta 1-6)GalNAc structures and the core 2 O-glycan branch. The gene coding this enzyme was originally mapped to 9q21, but was later localized to 9q13. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Molecular Mass	76.2 kDa
AA Sequence	MLRTLRRRLFSYPTKYYFMVLVLSLITFSVLRHQKPEFVSVRHLELAGENPSSDINCKTKVLQGDVNEIQVKLEILTVKFKRPRWTPDDYINMTSDCSSFIKRRKYIVEPLSKEEAEFPIAYSIVVHHKIEMLDRLLRAIYMPQNFYCIHVDTKSEDSYLAAVMGIASCFSNVFVASRLESVVYASWSRVQADLNCMKDLYAMSANWKYLINLCGMDFPIKTNLEIVRKLKLLMGENNLETERMP SHKEERWKKRYEVVNGKLTNTGTVKMLPPLETPLFSGSAYFVVSREYVGYVLQNEKIQKLMWAQDTYSPDEYLWATIQRIVEVPGSLPASHKYDLSDMQAVARFVKWQYFEGDVSKGAPYPPCDGVHVRVVCIFGAGDLNWMLRKHHLFANKFDVDVDFAIQCLDEHLRHKALET LKH
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name GCNT1 glucosaminyl (N-acetyl) transferase 1, core 2 [Homo sapiens]

Official Symbol GCNT1

Synonyms

GCNT1; glucosaminyl (N-acetyl) transferase 1, core 2; glucosaminyl (N acetyl) transferase 1, core 2 (beta 1,6 N acetylglucosaminyltransferase), NACGT2; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase; beta 1; 3 galactosyl O glycosyl glycoprotein beta 1; 6 N acetylglucosaminyltransferase; C2GNT; core 2 beta1; 6 N acetylglucosaminyltransferase I; NAGCT2; core 2 GnT; core 2 branching enzyme; core 2-branching enzyme; core2-GlcNAc-transferase; beta-1,6-N-acetylglucosaminyltransferase; core 2 beta1,6 N-acetylglucosaminyltransferase-I; core 2 beta-1,6-N-acetylglucosaminyltransferase I; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase; glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase); G6NT; C2GNT1; NACGT2; C2GNT-L; MGC126335; MGC126336;

Gene ID 2650

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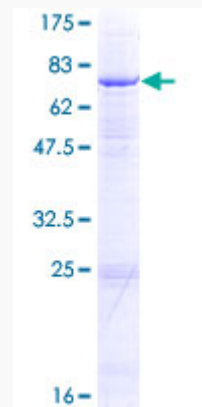
mRNA Refseq [NM_001097633](#)

Protein Refseq [NP_001091102](#)

MIM [600391](#)

UniProt ID [Q02742](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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