

Recombinant Full Length Human GCNT1 Protein, GST-tagged

Cat. No. GCNT1-5185HF 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 In Vitro Cell Free System

ProteinLength 428 amino acids

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

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MLRLLRRRLFSYPTKYYFMVLVLSLITFSVLRHQKPEFVSVRHLELAGENPSSDINC
TKVLQGDVNEIQVKLEILTVKFKRPRWTPDDYINMTSDCSSFIKRRKYIVEPLSKEE
AEFPIAYSIVVHHKIEMLDRLLRAIYMPQNFYCIHVDTKSEDSYLAAVMGIASCFSNVF
VASRLESVVYASWSRVQADLNCMKDLYAMSANWKYLINLCGMDFPIKTNLEIVRKLK
LLMGENNLETERMP SHKEERWKKRYEVVNGKLTNTGTVMKLPPLPPLFSGSAYFV
VSREYVGYVLQNEKIQKLMWAQDTYSPDEYLWATIQRIVEVPGSLPASHKYDLS
MQAVARFVKWQYFEGDVSKGAPYPPCDGVHVRVCIFGAGDLNWMLRKHHLFAN
KFDVDVDFAIQCLDEHLRHKALET LKH
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Applications	Enzyme-linked Immunoabsorbent Assay 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

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