

# Recombinant Full Length Human GCNT1 Protein

Cat. No. GCNT1-195HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human GCNT1 with N-terminal proprietary tag. Predicted MW 73.15kDa.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	428 amino acids
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	73.150kDa inclusive of tags
<b>AA Sequence</b>	MLRTLRRRRLFSYPTKYYFMVLVLSLITFSVLRHQKPEF VSVRHLELAGENPSSDIN CTKVLQGDVNEIQVKLEILTV KFKKRPRWTPDDYINMTSDCSSFIKRRKYIVEPLSK EEAE FPIAYSIVVHHKIEMLDRLLRAIYMPQNFYCIHVDTKSED SYLAAVMGIASCFS NVFVASRLESVYASWSRVQADLNCM KDLYAMSANWKYLINLCGMDFPIKTNLEIV RKLKLLMGEN NLETERMPHKEERWKKRYEVVNGKLTNTGTVKMLPPLET PLFSG SAYFVVSREYVGYVLQNEKIQKLMWAQDQTYSPDE YLWATIQRIVEVPGSLPASHK

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YDLSDMQAVARFVKWQYFE GDVSKGAPYPPCDGVHVRVSVCFGAGDLNWMLRKH  
HLFAN KFDVDVDFLFAIQCLDEHLRHKALETCLKH

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## 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 galact

**Gene ID** [2650](#)

**mRNA Refseq** [NM\\_001097633](#)

**Protein Refseq** [NP\\_001091102](#)

**MIM** [600391](#)

**UniProt ID** [Q02742](#)

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