

Product datasheet for **SC122687**

GCNT3 (NM_004751) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCNT3 (NM_004751) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCNT3
Synonyms:	C2/4GnT; C2GNT2; C2GNTM; C24GNT; GNTM
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene sequence for NM_004751 edited
GAACATGACCTCAAGGAGCTTCCTGTCAATGAGAAGACCAAGCTGACGCCTGGCAAAGAT
ATTAAAGAGGAGCCTGAAACTGTTCCCTGGACATCTTATGAATGTCAGAAAAACCTTTT
GGAGGGTTAGAAGATCAGGGGACATGGTTGTTACATTTGCTGCCACGGAACACCGCCAG
TCTTCACTTGGAAACAGAATCACGCCTTGTGAAGAGATCATCCCTAAGCAGGAGAGAAGC
TACTAAAGGATTGTGCTCCTCCACCTCCCTGTGCTCGGTCTCCACCTGTCTCCCATT
CTGTGACGATGGTTCATGGAAGAGACTCTGCCAGCTGCATTACTTGTGGGCTCTGGGCT
GCTATATGCTGCTGGCCACTGTGGCTCTGAAACTTTCTTTCAGGTTGAAGTGTGACTCTG
ACCACTTGGGTCTGGAGTCCAGGAATCTCAAAGCCAGTACTGTAGGAATATCTGTATA
ATTTCTGAAACTCCAGCAAAGAGGTCTATCAACTGTTCAAGGGTCAACCGAGGGGACC
AAGAGGCAGTGTTCAGGCTATTCTGAATAACCTGGAGGTCAAGAAGAAGCGAGACCTT
TCACAGACACCCACTACCTCTCCCTCACCAGAGACTGTGAGCACTTCAAGGCTGAAAGGA
AGTTCATACAGTCCCCTGAGCAAAGAAGAGGTGGAGTCCCTATTGCATACTCTATGG
TGATTCATGAGAAGATTGAAACTTTGAAAGGCTACTGCGAGCTGTGTATGCCCCCTCAGA
ACATATACTGTGTCATGTGGATGAGAAGTCCCCAGAACTTTCAAAGAGCGGTCAAAG
CAATTATTTCTTCTCCAAATGTCTTATAGCCAGTAAAGCTGGTTCGGGTGGTTATG
CCTCTGGTCCAGGGTCAAGCTGACCTCAACTGCATGGAAGACTTGTCCAGAGCTCAG
TGCCGTGGAATACTTCTGAATACATGTGGGACGGACTTTCCTATAAAGAGCAATGCAG
AGATGGTCCAGGCTCTCAAGATGTTGAATGGGAGGAATAGCATGGAGTCAGAGGTACCTC
CTAAGCACAAAGAAACCCGCTGGAAATACACTTTGAGGTAGTGAGAGACACATTACACC
TAACCAACAAGAAGAAGGATCCTCCCCCTATAATTTAACTATGTTTACAGGGAATGCGT
ACATTGTGGCTTCCCAGATTTTCGTCCAACATGTTTTGAAGAACCCTAAATCCCAACAAC
TGATTGAATGGGTAAAAGACACTTATAGCCAGATGAACACCTCTGGGCCACCTTCAGC
GTGCACGGTGGATGCCTGGCTCTGTTCCCAACCACCCCAAGTACGACATCTCAGACATGA
CTTCTATTGCCAGGCTGGTCAAGTGGCAGGGTCAATGAGGGAGACATCGATAAGGGTGCTC
CTTATGCTCCCTGCTCTGGAATCCACCAGCGGGCTATCTGCGTTTATGGGGCTGGGGACT
TGAATTGGATGCTTCAAACCATCACCTGTTGGCCAACAAGTTTGACCCAAAGGTAGATG
ATAATGCTCTTCAGTCTTAGAAGAATACCTACGTTATAAGGCCATCTATGGGACTGAAC
TTTGAGACACACTATGAGAGCGTTGCTACCTGTGGGGCAAGAGCATGTACAAACATGCTC
AGAACTTGCTGGGACAGTGTGGTGGGAGACCAGGGCTTTGCAATTCGTGGCATCCTTTA
GGATAAGAGGGCTGCTATTAGATTGTGGGTAAGTAGATCTTTTGCCTTGCAAATTGCTGC
CTGGGTGAATGCTGCTTGTCTCTCACCCCTAACCTAGTAGTTCCTCCACTAACTTTCT
CACTAAGTGAGAATGAGAACTGCTGTGATAGGGAGAGTGAAGGAGGGATATGTGGTAGAG
CACTTGATTTTCAAGTGAATGCCTGCTGGTACTTTTCCATTCTGTGGAGCTGCCGTTCT
AATAATCCAGGTTTGGTAGCGTGGAGGAGAACTTTGATGGAAAGAGAACCTTCCCTTCT
GTACTGTAACTTAAAAATAAATAGCTCCTGATCAAAGTAAAAAAAAAAAAAAAAAAAAA
AAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004751 unedited NGAAGTCAAATATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCGGGATATCGTCCG ACCCACGCGTCCGGAAGTCAAGGAGCTTCTGTCAATGAGAAGACCAAGCTGACG CCTGGCAAAGATATTAAGAGGAGCCTGAAACTGTTCTTGGACATCTTATGAATGTCAG AAAATACCTTTTGGAGGGTTAGAAGATCAGGGGACATGGTTGTTACATTTGCTGCCACG GAACACCGCCAGTCTTCACTTGGAAACAGAATCACGCCTTGTGAAGAGATCATCCCTAAG CAGGAGAGAAGCTACTAAAGGATTGTGCTCCTCCACCTCCCTGTGCTCGGTCTCCAC CTGTCTCCATTCTGTGACGATGGTTCAATGGAAGAGACTCTGCCAGCTGCATTACTTGT GGGCTCTGGGCTGCTATATGCTGCTGGCCACTGTGGCTCTGAAACTTTCTTTCAGTTGA AGTGTGACTCTGACCACTTGGGTCTGGAGTCCAGGGAATCTCAAAGCCAGTACTGTAGGA ATATCTTGTATAATTTCTGAAACTTCCAGCAAAGAGGTCTATCAACTGTTCAAGGGTCA CCCAGGGGACCAAGAGGCAGTCTTCAAGCTATTCTGAATAACCTGGAGGTCAAGAAGA AGCGAGAGCCTTTCACAGACACCCACTACCTCTCCCTACCAGAGACTGTGAGCACTTCA AGGCTGTAAGGAAGTTCATACAGTTCCTACTGAGCAAAAAGAGGTGGAGTCCCTATTGC ATACTCTATTGTGATTGATGAGAAGATTGAAAACCTTTGAAAGGCTACTGCGAGCTGTGA TGCCCTCAAACATATACTGTGTCATGTGGGATGAGAAGTCCCCGAAACCTCAAAG AGG
Restriction Sites:	Please inquire
ACCN:	NM_004751
Insert Size:	2106 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
RefSeq:	NM_004751.1 , NP_004742.1
RefSeq Size:	2128 bp
RefSeq ORF:	1317 bp
Locus ID:	9245
UniProt ID:	O95395 , A0A024R5T9
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis

Gene Summary:

This gene encodes a member of the N-acetylglucosaminyltransferase family. The encoded protein is a beta-6-N-acetylglucosamine-transferase that catalyzes the formation of core 2 and core 4 O-glycans on mucin-type glycoproteins.[provided by RefSeq, Apr 2009]