

Product datasheet for **SC304387**

A4GNT (NM_016161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A4GNT (NM_016161) Human Untagged Clone
Tag:	Tag Free
Symbol:	A4GNT
Synonyms:	alpha4GnT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304387 representing NM_016161. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGAAGGAGCTCCAGCTCTCCCTGTGAGTACACCTTGCTGCTGTCTGGCTTCTCTACAGTTC
ACCCTGAAGTCCAGCTGCCTCTTCTGTTTGCCTCTTTCAAGTCCACCAGGGGTGGAAGCCCTCTG
AGCCACAGACGTGGCATTGTGTTCTAGAGACCTCAGAGAGAATGGAGCCACCCATTTGGTCTCCTGT
TCCGTAGAGTCTGCTGCCAAGATTTATCCTGAGTGGCCTGTGGTGTCTTTATGAAGGTCTTACTGAT
TCCACACCGATGCCCTCAAACCTCCACATACCCAGCTTTTTCTTCTGTGACAAATAGACAACGTTTTT
CTTTCCCTTTGGATATGAAAAGGCTGCTGAAGACACACCATTGTTTTCATGGTACAATCAAATCAAC
GCCAGCGCAGAGAGAACTGGCTCCACATCAGCTCGGATGCATCCCGCTGGCCATCATCTGGAAATAC
GGTGGCATCTACATGGACACCGATGTCATCTCCATCAGGCCCATCCCTGAGGAGAAGTTTTTGGCTGCG
CAGGCTTCTCGGTAAGTACTAGTAATGGAATATTTGGGTTCTCCCCACCACCCCTTTTTGTGGGAATGC
ATGGAAAATTTGTTGAACACTATAATTCAGCCATTTGGGGCAACCAAGGCCCTGAGTTGATGACAAGG
ATGTTGAGGGTATGGTGTAACTGAAGACTTCCAGGAGGTGAGCGACCTCAGGTGTCTGAACATATCC
TTCTTACACCCCAAAGATTTTACCCATCTCCTATCGAGAGTGGAGGCGCTACTATGAAGTGTGGGAT
ACAGAGCCAAGCTTCAATGTCTCTTATGCCCTGCATTTGTGGAACCACATGAACCAGGAGGGGCGGGCT
GTGATTAGAGGAAGCAACACACTGGTGGAAAATCTCTATCGCAAGCACTGCCAGGACTTACAGGGGAC
CTGATTAAGGCCAGAGGGGTCACTGACTGGGAGCTGGGTCCAGGTAACAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_016161
Insert Size:	1023 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_016161.2
RefSeq Size:	1771 bp
RefSeq ORF:	1023 bp
Locus ID:	51146
UniProt ID:	Q9UNA3
Cytogenetics:	3q22.3
Protein Families:	Transmembrane
MW:	39.5 kDa
Gene Summary:	This gene encodes a protein from the glycosyltransferase 32 family. The enzyme catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. It forms a unique glycan, GlcNAc α 1 \rightarrow 4Gal β \rightarrow R and is largely associated with the Golgi apparatus membrane. [provided by RefSeq, Jul 2008]