

Product datasheet for **SC304713**

C1GALT1 (NM_020156) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1GALT1 (NM_020156) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1GALT1
Synonyms:	C1GALT; T-synthase
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020156 edited
 ATGGCCTCTAAATCCTGGCTGAATTTTTAACCTTCTCTGTGGATCAGCAATAGGATTT
 CTTTTATGTTCTCAGCTATTTAGTATTTTGTGGGAGAAAAGGTTGACACCCAGCCTAAT
 GTTCTTCATAATGATCCTCATGCAAGGCATTGAGATGATAATGGACAGAATCATCTAGAA
 GGACAAATGAACCTCAATGCAGATTCTAGCCAACATAAAGATGAGAACACAGACATTGCT
 GAAAACCTCTATCAGAAAGTTAGAATCTTTGCTGGGTTATGACCGGCCCTCAAAACCTA
 GAGAAAAAGGCCAAACACGTCAAAGCTACTTGGGCCAGCGTTGTAACAAAGTGTGTTT
 ATGAGTTCAGAAGAAAATAAAGACTTCCCTGCTGTGGGACTGAAAACCAAGAAGGCAGA
 GATCAACTATACTGAAAAACAATTAAGCTTTTTCAGTATGTTTCATGAACATTATTTAGAA
 GATGCTGATTGGTTTTTGAAGCAGATGATGACACGTATGTCATACTAGACAATTTGAGG
 TGGCTTCTTCAAATACGACCTGAAGAACCATTACTTTGGGAGAAGATTTAAGCCT
 TATGTAAGCAGGGCTACATGAGTGGAGGAGCAGGATATGACTAAGCAAAGAAGCCTTG
 AAAAGATTTGTTGATGCAATTTAAAACAGACAAGTACACATAGTTCCTCATTGAAGAC
 TTAGCACTGGGGAGATGCATGGAATTATGAATGTAGAAGCAGGAGATTCAGAGATACC
 ATTGAAAAGAACTTTTCATCCCTTTGTGCCAGAACACCATTTAATTAAGGTTATCTA
 CCTAGAACGTTTTGGTACTGGAATTACAACATTATCCTCCTGTAGAGGGTCCTGGTTGC
 TGCTCTGATCTTGCAAGTTCTTTTCACTATGTTGATTCTACAACCATGTATGAGTTAGAA
 TACCTCGTTTATCATCTTCGTCATATGGTTATTTATACAGATATCAACCTACCTTACCT
 GAACGTATACTAAAGGAAATAGTCAAGCAAACAAAAATGAAGATACAAAAGTGAAGTTA
 GGAAATCCTTGAAAGAAAATCATGAATGAACAAAGGTAATATGTCTAGCACTGCACTGAA
 AAAGGACTTCTGCATTTCTGACATAGAACACTGGAATCCCAGTGAGGAATTCTAAGTGAA
 CATTCTTATAGAAACCTTTACATGAATGACTATAAACTGAAGCTTTAAATGAGCTGTG
 AAGTGTGTTAAAATGTGTTTTGATACAGTAATATATAAATATATCTATATATGAGGAA
 CTTGTGTTTTTTAAATGGTGGCCAGGTAGAGGAACTAGAAAAGAGATTTTGTTCCTGTT
 TTCTGACCATCTGTGTTATTGCTACTGAGAACTAAAATAGTAAATTTACTAAAACCTACA
 CTGCACCATGTTAGTAATAAACAGATCTGCCTTAAAGAAAAGAAAATTTTAGAAAAGAAAT
 ATTGTTGCTCAGTGTGTTAATATAGCTCAAGAATTGAGTTTATATTTGCAATGCTAT
 AAATGATACCCCTACACACCCACACACAGTTTTTGTCTAATGAAAATGTTGCTGT
 GATTATTTATAATTGGTAGTATTTCTTCCAGAAGAAGCTAAAATAAGACTGGCATTACC
 CTGAAGTGCATTAATAAAACCACACTTTAAAATTAATAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_020156

Insert Size: 1700 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](#)

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_020156.1 , NP_064541.1
RefSeq Size:	1794 bp
RefSeq ORF:	1092 bp
Locus ID:	56913
UniProt ID:	Q9NS00
Cytogenetics:	7p22.1-p21.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis
Gene Summary:	The protein encoded by this gene generates the common core 1 O-glycan structure, Gal-beta-1-3GalNAc-R, by the transfer of Gal from UDP-Gal to GalNAc-alpha-1-R. Core 1 is a precursor for many extended mucin-type O-glycans on cell surface and secreted glycoproteins. Studies in mice suggest that this gene plays a key role in thrombopoiesis and kidney homeostasis. [provided by RefSeq, Sep 2010]