

Product datasheet for **MC204771**

C1galt1 (NM_052993) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1galt1 (NM_052993) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	C1galt1
Synonyms:	2210410E06Rik; AV284120; T-synthase
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC064767
 TGGAGCTGGTTCGGTTATGGTTGGAACCTTCCCTGCCCTTCGTTGACTGAGTGAACCAGCCAGAAATACAT
 TCCCAGGAAATGGCCTCTAAATCTTGGCTGAATTTTTAGTCTTCCTCTGTGGATCAGCAATAGGGTTTT
 TTTTATGTTCTCAACTCTTGAGTATTTTGTGCGAGAAGAGGCTGCCATTCAGCCTAACATGCTTCACAA
 TGACCCTCATGCAAGGCATTGAGATGACAATGGACACAGTCACCTCAAAGGACAGATGAACCTCAATGCA
 GATTCAGCCAAACATAAAGATGAGAACATAGACGTTGCTGAGAACCTCTATCAGAAAGTTAAAATCTTT
 GTTGGTTATGACAAGTCTCAAAATCTAGAGAAAAAGGCCAAACATGTCAAAGCTACGTGGGCCAGCG
 TTGTAATAAAGTGTTATTTATGAGTTCGGAAGAAAATCAGGACTCCCTACTGTGGGATTGAAAACCAAA
 GAAGGCAGAGAGCAACTATATTGAAAAACAATTAAGCTTTCCAGTATGTACATGACCATTATTTAGAAG
 ATGCTGACTGGTTTATGAAAGCAGATGACGACACATACGTCATTGTGGACAACCTGAGATGGCTTCTATC
 AAAGTATGACCCTGAACAACCCATTTACTTTGGGCGAAGATTTAAGCCCTATGTGAAGCAGGGATACATG
 AGCGGAGGAGCGGCTATGTCCTAAGCAAGGAAGCCTTGAGAAGATTTGTTAATGCATTTAAACAGAAA
 AGTGTACACATAGTTCCTCCATCGAAGACTTAGCTCTGGGAAGGTGCATGGAATATAAATGTAGAAGC
 TGGAGATTCAGAGATACCATTGGGAAAGAAACCTTCCATCCATTTGTACCAGAACCACCTTAATCAA
 GGTATCTACAAAAACATTTTGGTACTGGAATTACAACATTATCCTCCCATAGAGGGTCTGGATGCT
 GTTCTGATATTGCAGTTTCTTTCACTATGTTGATGGGACAACATATGTATGAATTAAGAACTCGTTTA
 TCGTCTTCGTCCATATGGTTGTTTATATAGATATCAACCTGCCTTACCTGAGAATATACTGAAAGAAAT
 AATCAAGTAAACAGAAAGGAAGATACAAAAATAAAATTAGGCAACCCCTGAAAGCAGAACATAAGTGGTC
 TACATTGCACTGAAGGACTCTTGCCCTTCTACGGAACCCCTGAAATCCCAGTGAGGAACTCACCTGAAGTG
 AACATTCATATAGAAATCTTTCAAATGGATGACTATAAACTGAAGCATTTAAAGAGCTGTGAAGTTTGC
 TAAACGTGTCTTGATACAGTAATATAAATAAATAAATAATATGAAGAATTTGTGTTTTTAAATG
 GTGACAGAAGAGCTAGAAAGACTCTGTTTCTGACTGTTCCCAACAGTGTATGTTGTTATCACTACAGTTG
 GAGTGGTTAGTTTATAATCACCTTCTGCACCACCCAGTTAGAACACAATGCTGAACACCATCTGCCTTAA
 AGAAAGAAAGAAAGAACTGTTGCTCAGTGTGTTTCTCAGCTGATATGTGTATGCTGCAAAACAGCCTTC
 CAGTTGCCGAATGAAAACCTTCTGCTGATTATATTATTTATAATTGGCAGTGCTTCTCAAGAAATAA
 GAAGGGCACTTACCCCAAAGTGCAGTAATTAACCACATTTCCAATTATTCGAGCCTTGACTCCATTAGA
 TACTTAGTTCTAAAGATAATCAACCCGATACCAAGTCCCATTGTCCCCTTCCAAATGTTTGACCCTGA
 ATACCATTTTCACTATTAATGCTAATTTACTCAAAGCATTGGCAGCATTCTGTAATCATGCATTTTCA
 AATATGTTGTTCCCGATTACCCATTGTTAATGTAGGTAACAATTAATTTAATGCTGTTTGGACAAG
 CAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_052993

Insert Size: 1092 bp

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).

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:**
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:	BC064767 , AAH64767
RefSeq Size:	1983 bp
RefSeq ORF:	1092 bp
Locus ID:	94192
UniProt ID:	Q9JJ06
Cytogenetics:	6 A1
Gene Summary:	Glycosyltransferase that generates the core 1 O-glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Plays a central role in many processes, such as angiogenesis, thrombopoiesis and kidney homeostasis development.[UniProtKB/Swiss-Prot Function]