

Product datasheet for **RN209861**

C1galt1c1 (NM_001030033) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1galt1c1 (NM_001030033) Rat Untagged Clone
Tag: Tag Free
Symbol: C1galt1c1
Synonyms: RGD1311230
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209861 representing NM_001030033
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTTTCAGAAAGCAGTTCATTTTTGAAGGGTGTGATGCTTGGAAAGCATCTTCTGTGCCTTGATCACTA
TGCTAGGCCACATTAGGATTGAAACAGAATGCACCACCATGAACATCACCATCTGCAAGCCCTAACAA
AGATGATATCTTAAAAATTCAGAGACTGAACGCATGGAGCTTAGTAAGAGTTCCAGGTATACTGTATA
GTTCTCGTAAAACCTAAAGATGTGAGTCTTTGGGCTGCAGTGAAGGAGACTTGGACCAAACACTGTGACA
AAGCAGAATTCCTCAGTCTGAAAATGTTAAAGTGTGGAGTCAATTAATATGGACACAAATGATATGTG
GTTGATGATGAGGAAAGCTTACAAATATGCTTATGATAAATACAAGGACCAATACAACCTGTTCTTCCTT
GCACGCCCCACTACTTTCGCTGTTATTGAAAATCTCAAAATTTTTTTGTTAAGAAAGGATCCATCACAAC
CTTTCTATCTAGGTCACACTGTAATACTGGAGACCTTGAATATGTGAGTGTGGATGGAGGAATTGTCTT
AAGCATAGAATCAATGAAAAGACTCAATGGCCTTCTCAGTGTTCCTGAAAAGTGCCTGAACAAGGAGGA
ATGATTTGGAAGATATCTGAAGATAAGCAGCTAGCAGTCTGCCTGAAATATGCTGGAGTATTTGCAGAAA
ATGCAGAAGACGCCGATGAAAAGATGTGTTAATACCAATCTGTTGGGCTTTTCATTAAGAGGCAAT
GACTAACCAACCAACCAGGTAGTAGAAGGATGTTGCTCTGATATGGCTGTTACTTTCAATGGACTGACT
CCTAATCAGATGCATGTGATGATGATGATGGGGTGTACCGGCTTAGGGCATTGGACATGTTTTCAATGATG
CATTGGTTTTCTTACCTCCGAATGGTTCTGAGAATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001030033
Insert Size: 951 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).
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:	<u>NM_001030033.1</u> , <u>NP_001025204.1</u>
RefSeq Size:	1356 bp
RefSeq ORF:	951 bp
Locus ID:	302499
UniProt ID:	<u>Q499P3</u>
Cytogenetics:	Xq35
Gene Summary:	Probable chaperone required for the generation of 1 O-glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Probably acts as a specific molecular chaperone assisting the folding/stability of core 1 beta-3-galactosyltransferase (C1GALT1) (By similarity).[UniProtKB/Swiss-Prot Function]