

Product datasheet for **RR203856**

C1galt1 (NM_022950) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1galt1 (NM_022950) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1galt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203856 representing NM_022950 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCTAAATCTTGGCTGAATTTTTAACTTTCCTCTGTGGATCAGCAATAGGATTTTTCTTATGTT
CTCAACTCTTGAATTTTTGTTGCAAGAACAGGCTGACGTTACGCCTAACATGCTTCATAATGATCCTCA
TGCCAGACATTCAGACGACAGTGGACATAATCACCTCAAAGGACAGATGGACTTCAATGCAGATTCTAGC
CAACATAAAGATGAGAACACAGACGTTGCTGAGAACCTCTATCAGAAAAGTTAAAGTTCCTTTGTTGGTTA
TGACAAGCCCTCAAATCTAGAGAAAAAGGCCAAACACGTCAAAGCTACATGGGCCAGCGTTGTAATAA
AGTGTATTTATGAGTTCAGAAGAAAATAAGACTTCCCTACTGTGGGCTGAAACCAAAGAAGGCAGA
GAGCAACTGTAAGCAAAATAAAGCGTTTCAGTACGTACATGACCATTACTAGAAGATGCTGACT
GGTTTATGAAAGCAGACGATGACACCTATGTCATACTGGACAATCTGAGATGGCTTCTATCAAAGTATAA
CCCTGAACAGCCATTTACTTTGGGAGAAGATTTAAGCCCTATGTGAAGCAGGGATACATGAGTGGAGGA
GCAGGATATGTCCTAAGCAAGGAAGCCTTGAGAAGATTTGTGGATGCATTTAAACAGAAAAATGTACGC
ACAGTTCTCCATTGAAGACTTGGCCCTGGGAAGGTGCATGGAGATTATAAAGGTAGAAGCTGGAGATTC
CAGAGATCCCCTGGAAGGAAACCTTCCACCCCTTTGTACCAGAACACCACTTAATCAAAGGCTATCTG
CCAAAAACATTTTGGTACTGGAATTACAACACTATCCTCCCGTAGAGGGTCTGTTGCTGTTCTGATA
TTGAGTCTTTTCACTATGTTGATTCTACAACATATGTATGAATTAGAATACCTCGTTTATCATCTTCG
TCCATATGGTTATTTATAGATATCAACCTGCCTTACCTGAGAATATACTAAAAGAAATTAATCAAGTA
AACAAAAAGGAAGATACAAAAATAAATTAGGCAACCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203856 representing NM_022950
Red=Cloning site Green=Tags(s)

MASKSWLNFLTFLCGSAIGFFLCSQLLNILLQEADVQPNNLHNDPHARHSDDSGHNHLKGQMDFNADSS
 QHKDENTDVAENLYQKVKVLCWVMTSPQNLKAKHVKATWAQRCKVLFMSSEENKDFPTVGLKTEGR
 EQLYWKTIKAFQYVVDHYLEDADWFMKADDDTYVILDNLRWLLSKYNPEQPIYFGRRFKPYVKQGYMSGG
 AGYVLSKEALRRFVDAFKTEKCTHSSSIEDLALGRCMEIIKVEAGDSRDPTGKETFHFPVPEHHLIKGYL
 PKTFWYWNYNYPVVEGPGCCSDIAVSFHYVDSTMYELEYLVYHLRPGYLYRYPALPENILKEINQV
 NKKEDTKIKLGNP

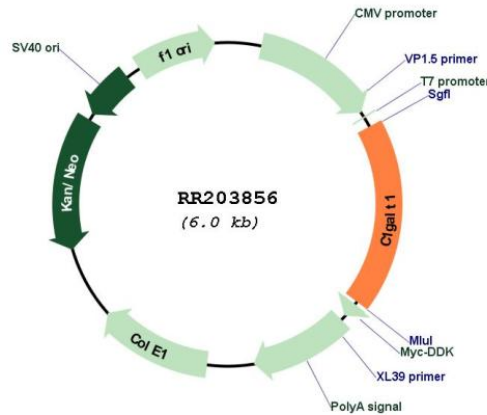
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022950

ORF Size:	1089 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_022950.1 , NP_075239.1
RefSeq Size:	1405 bp
RefSeq ORF:	1092 bp
Locus ID:	65044
UniProt ID:	Q9JJ05
Cytogenetics:	4q21
MW:	42.3 kDa
Gene Summary:	precursor for extended mucin-type O-glycan structures in cell surface and secreted glycoproteins [RGD, Feb 2006]