

## Product datasheet for **MC216191**

### **Gcnt4 (NM\_001166065) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gcnt4 (NM_001166065) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gcnt4
Synonyms:	C2gnt3; Gm73; Gm279
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216191 representing NM\_001166065  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGATATTCAGATGTTGCTTTAAATACACTCTCCAGCAGAACTCTTCATCCTCCTCTTAACCTGT  
 GGCTGTTCTCCTTGTGAAGCTCCTAAATGTGGGCAGGCTCCTCTCCCTCAAAGAGACATTTACTTAGT  
 TGAATACTCCCTAAGTACATCACATTTGTGAGGAACAGGTTCCCCGAGTCTGGGATGCAGCCAGGGAC  
 AACGTTAACTGCTCGGGGTCTACGAGCAGGACCTTTGGAAATCGGCAAGAGTCTAGAAATCAGAAGAC  
 GGAGCATCATCGACTTGGAGGACGGTGTGCTGGCGATGACAAGTACTGTGACGTTTATCAGACCTT  
 AAGGCAGTACCATGAAAAGCTGGTTTCAAGGGAGGAAGAGGACTTCCCATAGCCTATTCGCTGGTCGTC  
 CACAAAGATGCCATTATGGTTGAGCGTTGATCCGAGCTATTTACAACCAGCACAACTTTACTGCATCC  
 ATATGACCTGAAGTACCGGACAGTTCAAAGCTGCCATGAACAACCTAGCTAAGTCTCCCAATAT  
 CTTTCATCGTTCCAAATTAGAGACTGTGGAGTATGCTCACATATCCAGGCTCCAGGCCGATTGGAAGTGC  
 TTATCAGACCTCCTCAAGTCTTCCGTTCACTGGAAGTACGTCATCAACCTCTGTGGCAAGACTTTCCCC  
 TAAAGTCAAATTTGAATTAGTGACAGAGCTGAAAAGTCTCCAAGGAAGGAATATGTTAGAGACGGTGAG  
 ACCCCCCAGTGCTAAGACGGAGAGGTTACCTACCATCATGAGCTCAGACAGGTGCCTTATGATTATATG  
 AAGCTACCAGTAAAGACGAACGTTCTCAAGGGGACCCCTCATAACATTCAGGTATTTGTGGCAGTG  
 CCTATTTTGTTTAAGTCGAGCATTGTTAAATATATTTTCAACAGCTCCCTCGTTGAAGACTTTTTTGC  
 CTGGTCTAAAGATACATATTCCTGACGAGCACTTTTGGCCACCTTAATCCGGATACCAGGAATACCC  
 GGGGAATTTCCAGTTCATCTCAGGACGTGTGACCTGCAGAGTAAGACCCGCTGGTCAAATGGTTTT  
 ACTACGAAGGCTTTCTACCCCAATTGCACTGGCTCTCACCTTGAAGTGTGTATTTACGGAGCTGC  
 AGAATACGGTGGCTCTTAAACGAAGGGCATTGGTTTGCTAATAAGTTTGATTCTAAAGTTGACCCCATC  
 TTGATGAAATGTCTGGCAGAAAACTTGAAGAGCAACAGAGAAAGTTGATTGCTTTGCTTCAGAGAAGT  
 TCATGACAGAGGGAACCCGCCAAAGCCACACATTAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001166065

**Insert Size:** 1368 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:	<u>NM_001166065.1, NP_001159537.1</u>
RefSeq Size:	5107 bp
RefSeq ORF:	1368 bp
Locus ID:	218476
UniProt ID:	<u>E9Q649</u>
Cytogenetics:	13 D1
Gene Summary:	Glycosyltransferase that mediates core 2 O-glycan branching, an important step in mucin-type biosynthesis. Does not have core 4 O-glycan or I-branching enzyme activity. [UniProtKB/Swiss-Prot Function]