

Product datasheet for MC208531

Gcnt1 (NM_010265) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Gcnt1 (NM_010265) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gcnt1 |
| Synonyms: | 5630400D21Rik; B130048E03; C2 GlcNAcT; C2GNT; IGnT |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC208531 representing NM_010265 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGAGAACTTGTTTCGGAGGAGACTTTTCTCTTGCCTACAAAATACTACTTTATGCTCCTTGTC
TCTCTTTAATTACCTTCTCTGTTTTAAGAATTCATCAGAAGCCTGAATTTTTAGTGTCAGACACTTGG
GCTGGCTGGAGATGATCCTTACAGCAATGTTAATTGCACCAAGATTTTACAGGGTGACCCAGAAGAAATC
CAGAAGGTGAAGCTTGAGATACTAACAGTGCAATTCAGAAGCGCCCGAGGCGGACACCCATGACTATA
TAAACATGACCCGTGACTGTGCCTCTTTCATCAGGACACGCAAAATATATTGTGGAGCCCTTACTAAAGA
AGAGGTAGGCTTTCCAATTGCATATCCATTGTGGTTCATCATAAGATTGAAATGCTTGACAGGCTCCTG
AGGGCCATCTATATGCCTCAGAAATTTCTACTGCATTACGTGGACAGAAAAGCAGAGGAATCCTTTTTAG
CCGCGGTGCAGGGCATCGCATCCTGCTTTGATAATGTCTTTGTGGCCAGCCAGTTGGAGAGTGTGTTTTA
TGCGTCTGGAGTCGGGTTAAGGCAGACCTCAACTGCATGAAGGACCTGTACAGAATGAATGCAAACTGG
AAGTACTTGATCAATCTCTGTGGTATGGATTTCCCTATTAACAACCTGGAAATGTGAGGAAGCTCA
AGTGCTCCACAGGGGAAAACAACCTGAAAAGTGAAGATGCCTCCCAACAAGGAAGAGATGGAAAAA
AAGATACACCGTTGTGATGGGAAGCTGACCAACACTGGAATAGTCAAAGCACCGCCCTGAAAACT
CCTCTCTTTTCAGGCAGTGCCTACTTCTGTGCTACTAGGGAATATGTAGGCTACGTGCTGAAAAATGAAA
ATATTCAAAAGTTGATGGAATGGGCACAGGACACATACAGCCAGATGAGTTCCTCTGGCCACCATCCA
AAGGATCCAGAAAGTCCCTGGTTCTTTCCCTCAAGCAACAAGTATGACTTGTGACAGATGAATGCCATT
GCTAGGTTTGTCAAGTGGCAGTACTTCGAAGGCCATGTTTCAACGGTGCCCTTATCCACCGTGCAGTG
GAGTCCACGTGCGCTCTGTGTGCGTCTTCGAGCTGGTGACTTGAGCTGGATGCTGCGCCAAACCCACT
TTTTGCCAATAAGTTTGACATGGATGTCGACCCCTTTGCCATCCAGTGTGGATGAACATCTGAGGCAT
AAAGCCCTGGAGAACTTAGAACACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_010265 |
| Insert Size: | 1287 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: | <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_010265.5 , NP_034395.4 |
| RefSeq Size: | 4580 bp |
| RefSeq ORF: | 1287 bp |
| Locus ID: | 14537 |
| UniProt ID: | Q09324 |
| Cytogenetics: | 19 12.75 cM |
| Gene Summary: | <p>Glycosyltransferase that catalyzes the transfer of an N-acetylglucosamine moiety onto mucin-type core 1 O-glycan to form the branched mucin-type core 2 O-glycan. Mucin-type core 2 O-glycans play an important role in leukocyte extravasation as they serve as scaffolds for the display of the selectin ligand sialyl Lewis X by leukocytes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |