

Product datasheet for MC214321

B3gnt6 (NM_001081167) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: B3gnt6 (NM_001081167) Mouse Untagged Clone
Tag: Tag Free
Symbol: B3gnt6
Synonyms: BC039789; Core-3; Core3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214321 representing NM_001081167
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTTGCCAGCAGCCGAGGTTCAAGAGTCCCACGACACTGGCTTTCTTTCTAGTGGGTGTGACTT
 TAGTGGTGTGAATCAGTGGTTCCTCCAGAAACACAGGCAGGAGAAAGCCAAGGGTCTGTGGCCACTCG
 CCGGTCTTTGGCAGCTGTGGTACAGCGTTCGCCGCTCTCCAGGTGCCCCCTGCGTGGCCAACGCCTCC
 GCGAACCTCCTGACTGGCTTCCAGCTGCTGCCTGCTAGGATCAAAGACTTCTGCGCTACCGCCACTGCC
 GCCGCTTTCCGCAACTGTGGGACGCGCCGCCAAGTGCAGCGGGCCCCCGGGCGTCTTCTGCTGTGGC
 CGTGAAGTCGTCGCTGCGCACTACGAGCGGCGGAGTGTATCCGGCGCACGTGGGGCCAGGAGCGCAGC
 TACAGCGGCCGCGAGGTCTTCGCTCTTCTGGTGGGGACCTCCCTCCCGAGGAGGGCGGCTCGCGAGC
 CTCAGCTGGCCGATCTGCTGAGCCTGGAGGCGCGAGTACGGCGATGTGCTGCAGTGGGACTTCAGTGA
 CACCTTCTCAACCTCACACTCAAGCACCTGCACCTGCTGGACTGGACAGCGGAGCACTGCCCGGGCGTG
 AGCTTCTGCTCAGCTGCGAGCAGCAGTCTTCGTCACACGGCCAACGTACTGAGCTTCTAGAGGTGC
 AGTCGCCCCGAGCACACCTTTCCACGGGCGAGTCAAGTGGTGGTCTGTGCTGTTCGCGAAAGCGGGAG
 CAAGTACTTCGTGCCCCACAGATCTTCCGGGGTAGCCTACCCTGCGTACTGACGCGGCGGCGGCTTC
 CTCTGTCCCGCTACACAGTCCGCAACCTGCGCAGCGCGCACACCAGTCCCGCTTCTCCCATCGACG
 ATGCCTACATGGGCATGTGTCTGACGAGGCGGCTGGCGCCAGCAGCCACCAGGGCATCCGGCCCTT
 CGGCGTGCAGCTGCCAATGTGCAGCGTTATCCTTGGATCCCTGCATGTACCGGAGCTGCTGTGGTG
 CACCGCTTCGCGCCTTATGAGATGCTGCTCATGTGGAAGGCGCTGCACAACCCAGCGCTGCACTGTAGCC
 ACAACAGGTTGCAGGATCTCCACGGCCGAGAAACAGAACCCCGATGCACAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|---|
| ACCN: | NM_001081167 |
| Insert Size: | 1176 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: | <u>NM_001081167.1</u> , <u>NP_001074636.1</u> |
| RefSeq Size: | 2367 bp |
| RefSeq ORF: | 1176 bp |
| Locus ID: | 272411 |
| UniProt ID: | <u>Q3USF0</u> |
| Cytogenetics: | 7 E1 |
| Gene Summary: | Beta-1,3-N-acetylglucosaminyltransferase that synthesizes the core 3 structure of the O-glycan, an important precursor in the biosynthesis of mucin-type glycoproteins. Plays an important role in the synthesis of mucin-type O-glycans in digestive organs.[UniProtKB/Swiss-Prot Function] |