

Product datasheet for **RN200805**

B4galnt1 (NM_022860) Rat Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | B4galnt1 (NM_022860) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | B4galnt1 |
| Synonyms: | Galgt1; GalNAc-T |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN200805 representing NM_022860
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCTGGACCGCCGGCCCTCTATGCGCTAGTTCTGTGCTTGCCTGCGCCTCGCTGGGTCTCCTGT
 ACGCCAGCACCCGAGACGCGCCAGGTCTCCCGAACCTCTGGCATTGTGGTCACCCCCACAAGGTCCCC
 GAGGCTCGATCTGCTAGACCTTGCCACTGAGCCTCGCTACGCACACATCCAGTCAGGATCAAGGAGCAA
 GTGGTGGGGTGTGGCTCAGAACAATTGCAGTTGTGAGTCCAGCGGAGGACGCTTTGCCTTGCCGTTCC
 TGAGGCAGGTCGGGCGATTGACTTCACTAAAGCCTTTGACGCCGAGGAGCTGAGGGCTGTTTCTATCTC
 CAGAGAGCAGGAATACCAGGCCTTCTTGAAGGAGCCGGTCCCTGGCTGACCAGCTGCTGATAGCCCT
 GCCAACTCCCCCTACAGTATCCCCTGCAGGGTGTGGAGGTTAGCCCTCAGGAGCATCCTGGTGCCAG
 GGCTAAGTCTGCAGGAAGCTTCTGTTCAGGAAATATATCAGGTGAACCTGATTGCTTCCCTTGGCACCTG
 GGATGTGGCAGGGGAAGTAACAGGGGTGACTCTACTGGAGAGGGGCAGTCGGACCTCACCTTGGCAGC
 CCAATTCTGGATAAACTCAACCGACAGCTGCAACTGGTGACTTACAGCAGCCGGAGCTACCAAGCCAACA
 CAGCAGACACAGTCCGGTCTCCACCAAGGGACATGAAGTGGCCTTACCATCCTCATAAGACATCTCC
 CAACCCCGGCTGTACCCACCATCATCCCTACCCCAAGGAGCCAGTACAACATCAGTGCTCTGGTTACC
 GTTGCCACCAAGACCTTCTTCTGTTATGATCGGCTACGGGCACTCATTGCCAGCATCAGACGCTTTTACC
 CTACGGTCACCATAGTAATCGCTGACGACAGCGACAAACCGGAGCGAATTAGCGACCCCATGTGGAGCA
 CTATTTTCATGCCCTTCGGCAAGGGTTGGTTTGCAGGTCGGAACCTGGCGGTGCCAAGTAACCACAAA
 TACGTGCTGTGGTGGACGACGACTTTGTCTTACGGCGCGCACGCGGCTGGAGAAGCTTGTGGATGTC
 TGGAGAGGACGCCCTGGACTTGGTTGGGGCGCGGTGCGGGAGATCTCGGGCTACGCTACCACCTACCC
 ACAGCTGCTAAGTGTGGAGCCGGGCGCCCAAGCTTTGGGAACTGCCTCCGGCAAAAGCAGGGCTTCCAC
 CACGAGCTCGCTGGCTTCCAACTGCGTGGTCAACCGACGGCGTAGTCAACTTCTTCTGCGCGCACAG
 ATAAAGTGCAGGAGTGGCTTTGACCCACGCCTCAACCGGGTGGCTCATCTGGAATTCTTCTGGATGG
 TCTTGGTTCCTTCGAGTTGGCTCCTGCTCTGATGTTGTTGTGGATCATGCGTCAAAGGTGAAGTGCCT
 TGGACATCAAAGGATCCAGGGGCTGAACTTATGCCCGTTACCGTTACCCGGGATCACTGGACCAAAGTC
 AGGTGGCCAAACATCGACTGCTCTTCTTCAAACACCGGCTACAGTGCATGACCGCCGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_022860

Insert Size: 1602 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: [NM_022860.2](#), [NP_074051.1](#)

RefSeq Size: 2270 bp

RefSeq ORF: 1602 bp

Locus ID: 64828

UniProt ID: [Q10468](#)

Cytogenetics: 7q22

Gene Summary: synthesizes both asialoglycosphingolipid GM2 and glycosphingolipid GM2 [RGD, Feb 2006]