

Product datasheet for **RN205628**

B3galnt1 (NM_001013158) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: B3galnt1 (NM_001013158) Rat Untagged Clone
Tag: Tag Free
Symbol: B3galnt1
Synonyms: B3galt3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205628 representing NM_001013158
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCCGGCTGTCTTGACTGCCATCCCAATAGGATGTCAGTACTCCCTCAAATGGAGCCTCCTGC
TGCTGTCCCTGCTGAGCTTCTGGTATCTGGTACCTCAGCCTTCCCCACTACAATGTGATTGAGCGTGT
GAACTGGATGACTTCTATGAGTATGAGCCAATTTACAGACAAGACTTTCAATTCACACTCAGGGAACAT
TCGAACTGCTCTCAACAAAACCCATTCTGGTCACTCTGGTGACCTCTCGTCCCTCAGATGTGAAAGCCA
GACAAGCCATTAGAGTTACTTGGGGCGAGAAAAAACCTGGTGGGGACACGAGGTTCTTACATTTTTCTT
ACTTGGCCAGGAGGCTGAAAGGGAAGACAAGGTATTAGCATTGTCCTTGGAGGATGAACATGCTCTCTAT
GGCGACATTATACGGCAAGACTTTTTAGATACCTACAATAACTTGACCTTGAAAACCCATTATGGCTTTCA
GGTGGGAATTTGAATTTTGCCCAATGCCAAGTATGTCATGAAAACAGACACCGATGTTTTTCATCAACAC
GGGCAATTTAGTCAAGTATCTTTAAACCTAAACCACTCAGAGAAGTTTTTCACAGGCTATCCTCTAATT
GAAAACCTATTCTATAGAGGGTTTTCCATAAAAAACCATTTTCATACCAAGAATACCCGTTCAAGGTGT
TCCCTCCCTACTGCAGTGGGCTGGGCTACATCATGTCGGCGACCTGGTGCCGAAGATCTACGAGATGAT
GGGCCACGTGAAACCCATCAAGTTTGAGGATGTCTATGTCGGCATCTGTCTGAATTTGTTAAAAAGTGGAC
ATTCATATTCCAGAAGACACAAATCTTTTCTTCTGTTTCCAGAAATACACTTGGACGTGTGTGAGCTGAGAC
GGGTGATTGCAGCCCATGGCTTTTCTCCAAGGAGATCATCACCTTCTGGCAGGTCATGCTGAGGAACAC
CACCTGCCACTAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013158



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Insert Size:	996 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_001013158.1</u> , <u>NP_001013176.1</u>
RefSeq Size:	1928 bp
RefSeq ORF:	996 bp
Locus ID:	310508
UniProt ID:	<u>Q6AY39</u>
Cytogenetics:	2q32
Gene Summary:	Transfers N-acetylgalactosamine onto globotriaosylceramide. Plays a critical role in preimplantation stage embryonic development.[UniProtKB/Swiss-Prot Function]