

Product datasheet for RN214108

B3galt4 (NM_133553) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: B3galt4 (NM_133553) Rat Untagged Clone
 Tag: Tag Free
 Symbol: B3galt4
 Synonyms: MGC156596
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN214108 representing NM_133553
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTCAGCCTCTCCGGCGCCTCCTTCTGGCGTCTACTACTGGTGATCATCTGGACACTGTTTG
 GACCATCGGGTTTGGGGAGGAGCTGCTGAGCCTGTCCCTGGCGTCCCTTCTGCCAGCCCCAGCCTCGCC
 AGGACCACCCCTGGCCCTGCCCGCCTTGTATTCTAACCACCCAGGCCTGTGGTGGCTCCGGACCCCT
 CCTTTCTTGCTCATCCTGGTGTGTACGGCCCCGGAGCACCTGAACCAGAGAAACGCCATTCGGGGATCTT
 GGGGCGCCATTCGCGAGGCCCGCGGTTTCAGGGTGCAGACGCTTCTCCTGGGAGAACCATATGGGACA
 GCAGTTTGTGACCTGGCCTCAGAGTCAGCAGCACAGGGGGATGTCTTGACGGCCTCCTCCAGGATTCC
 TACCGCAACCTCACCCCTCAAGACCCTCACCGGACTGAACTGGGTGAACAAATACTGTCTATGGCCCGGT
 ACATCCTCAAGACAGATGATGACGTGTATGTCAATGTCCAGAGCTGGTGTGAGAACTGATACAGAGAGG
 GGGCCTCAGAGCAATGGCAGAAGGGCAAAGAGCCACAGGAAGAGACAACAGCTGTCCACAAAGAGCAC
 AAAGGCCAGGCAGTGCCCTTCTGTATTTAGGCCGGGTGCACTGGAGGGTGAAGCCCACTCGAACACCAG
 AGTCCCGCATCACGTGTCAGAAGAACTGTGGCCAGAAAACCTGGGGTCTTTCCACCCTACGCCCTGG
 CACGGGTATGTATTGTCTATCTCTGCTGTGCAGCTATTCTGAAGGTGGCCAGCCGGGCCCATATCTA
 CCTCTGGAGGATGTCTTTGTGGGAGTAAGCGCAAGGCGAGGGGGCCTTGGCCCCACACACTGTGTCAAGT
 TGGCTGGTGTACCCACTACCCACTGGATAGGTGCTGTTACGGGAAGTTCCTGCTGACGTCCCACAAGGT
 GGATCCTTGAAAATGCAGGAAGCCTGGAAGCTGGTGAGAGGACTGAATGGGAGAAGGACTGAGCCCTTT
 TGTTCTGGCTCCAGGGATTTCTGGGTACCTTGAGGTGCCGGTTCATAGCCTGGCTCAATAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_133553



Insert Size:	1116 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_133553.2, NP_598237.2</u>
RefSeq Size:	1576 bp
RefSeq ORF:	1116 bp
Locus ID:	171079
Cytogenetics:	20p12
Gene Summary:	catalyzes the synthesis of gangliosides GD1b, GM1, and asialo-GM1 (GA1); may mediate the formation and differentiation of brain tissues [RGD, Feb 2006]