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Product datasheet for MC227159

B4galt4 (NM_001285793) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galt4 (NM_001285793) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B4galt4
Synonyms:	9130402O08Rik; b4Gal-T4; B4galt-IV; beta4Gal-T4; beta4GalT-IV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227159 representing NM_001285793
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGCAACCCACCTTATCACCTCTCCTACAGATTACGATTGTTGCTGCTCTTTACCCTGTGCCTGA
CGGTGGTTGGGTGGGCCACCAGCAACTACTTTGTGGGTGCTATTCAAGTGATCCCCAAGGCAAAGGACTT
CATGGCTAGTTTCCACAAGGTCATACATTTGGGGAATGAAGAAACTCTGGGCCATGATGGGGCCACGAAA
AAACCAGAGCTTGCTAACTGCCCTTCGGTGTCTCCAAACCTCAGAGGCCAGAGCAAGCTCGTTTTTAAGC
CGGACCTCACGTTGGAGGAAATAGAGGCTGAAAACCCCAAAGTGTCCAGAGGCCGGTATCACCCTGAGGA
ATGTAAGGCTCTGCAGCGGGTGGCCATCCTCATTCCACACAGGAACAGAGAGAAGCACTTGATCTACCTG
CTGGAACACCTGCATCCCTTCCTGCAGAGGCAACAGCTGGACTACGGCATCTATATCATCCACCAGACGG
GAAGTAAAAAGTTTAACCGAGCCAAGCTCCTGAACGTGGGCTATCTGGAAGCTCTCAAGGAGGAGAACTG
GGACTGCTTCGTATTCCACGACGTGGACCTGGTGCCTGAGAATGACTTCAACCTCTACACCTGCGGTGAT
CAGCCCAAGCACTTGGTGGTGGGCCGGAACAGCACGGGCTACAGGTTGCGTTACAGTAAATATTTTGGGG
GTGTCACTGCCCTCAGCAGGGAACAGTTTCTCAAGGTGAATGGATTCTCTAACAACTACTGGGGATGGGG
AGGAGAAGACGATGACCTCAGACTCAGGGTTGAGCTCCATAAAATGAAAATATCCCGGCCCAAGCCCGAC
GTGGGCAAATACACCATGATCTTCCACACCAGAGACAAAGGCAACGAGGTGAACATGGGCCGAATGAAGC
TGTTGCAACAGATGTCCCGGGTCTGGAAAACAGATGGCTTATCGAGTTGTTCTTACAGATTACTCTCTGT
GGAGCACAACCCTTTATATGCCAACATCACAGTGGATTTCTGGACTGCTGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI

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ACCN:	NM_001285793
Insert Size:	1035 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001285793.1, NP_001272722.1
RefSeq Size:	2381 bp
RefSeq ORF:	1035 bp
Locus ID:	56375
UniProt ID:	Q9JJ04
Cytogenetics:	16 B4
Gene Summary:	Responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 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.

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