

Product datasheet for **MG206183**

B4galt3 (NM_020579) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galt3 (NM_020579) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	B4galt3
Synonyms:	9530061M23Rik; AA104562; AW125175; ESTM6; ESTM26; R74981
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206183 representing NM_020579 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGCGGAGGCTGCTGGAGAGACCCTGTACATTGGCCCTGCTTGTGGGCTCCCAACTGGCAGTGATGA
 TGTATCTGTCACTAGGGGGCTTCCGAAGTCTTAGTGCCCTGTTTGGTCGAGATCCGGGCCAACATTGCA
 CTATTCTCATCCCCACGATGTCTATAGTAACCTCAGTCACCTGCCCGAGCCCCTGGAGCTGCAGGGGCT
 CCTCCGGCTCAAGCATTGCCCTACTGTCCAGAAAGATCACCTTCTTAGTGGTCTGTGTCAGTATCCT
 TTAGCCCGGTGCCGTCACTAGCAGAGATTGTGGAGCGGAATCCCCGGGTGGAATCAGGGGGCCGGTACCG
 TCCTGCAGGGTGTGAGCCTCGCTCCCGAACAGCCATAATTGTGCCCATCGTGCCCGGAGACACCTT
 CGGCTGTCTCTATCACCTGCACCCTTTCCTGCAGCGCCAGCAGCTTGCCTACGGCATTATGTATCC
 ACCAGGCTGGAATGGAACGTTTAAACAGGGCAAAGCTGCTGAACGTAGGGGTGAGGGAAGCCCTTCGTGA
 TGAAGAAATGGGACTGCTTGTCTTACACGACGTGGACCTCCTTCCAGAAAACGACCATAACCTGTATGTG
 TGCGACCCCCGGGGACCCGCCACGTTGCTGTTGCCATGAACAAGTTTGATACAGCCTCCCGTACCCCC
 AGTACTTTGGCGGAGTTTCAGCGCTCACTCCCGACCACTACCTGAAGATGAACGGCTTCCCAACAGTA
 CTGGGGCTGGGGTGGCGAGGATGACGACATTGCTACCAGGGTCCGCCTGGCTGGGATGAAGATCTCTCGA
 CCACCTACCTCTGTGGACACTAAGATGGTGAAGCACAGAGGGGATAAAGGAAATGAGGAAAATCCCC
 ACAGATTTGACCTCCTGGTCCGTACCCAGAATTCTTGGACACAAGATGGAATGAACTCACTAACGTACCG
 ACTGCTGGCAAGAGAGCTGGGTCTCTCTATACCAACATCACTGCAGACATCGGGACTGACCCTCGGGGT
 CCCCAGTCTCCCTCTGGTCCCCGATACCCACAGGTTCTCCAGGCCTTCCGTCAAGAGATGCTGCAAC
 GCCGGCCCCAGCTAGGCCTGGCCCTCTGCCACTGCCAACACACAGCTCCCCGTGGCTCACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206183 representing NM_020579
 Red=Cloning site Green=Tags(s)

MLRLLERPCTLALLVGSQALVMMYLSLGGFRSLALFGRDPGPTFDYSHPHDVSNLSHLPAAPGAAGA
 PPAQALPYCPERSPFLVGPVSVSFSPVPSLAEIVERNPRVESGGRYRPAGCEPRSRTAIIVPHRAREHHL
 RLLLYHLHPFLQRQQLAYGIYVIHQAGNGTFNRAKLLNVGVREALRDEEDCLFLHDVDLLPENDHNLVY
 CDPGRPRHVAVAMNKFYSLPYPQYFGVSALTPDQYLMNGFPNEYWGWGEGDDDIATRVRLAGMKISR
 PPTSVGHYKMKHGRGDKNEENPHRFDLLVRTQNSWTQDMNSLTyrLLARELGPLYTNITADIGTDPRG
 PRSPSGPRYPGSSQAFRQEMLRPPARPGLPTANHTAPRGSH

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_020579

ORF Size: 1185 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020579.1](#), [NP_065604.1](#)

RefSeq Size: 1952 bp

RefSeq ORF: 1188 bp

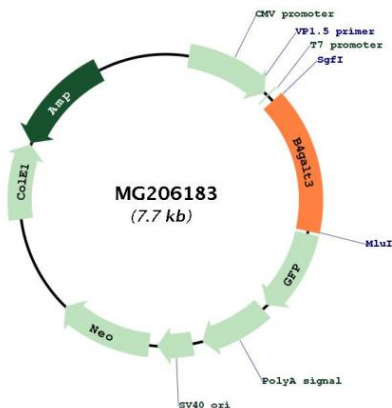
Locus ID: 57370

UniProt ID: [Q91YY2](#)

Cytogenetics: 1 79.29 cM

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]

Product images:



Circular map for MG206183