

Product datasheet for **MG205179**

B4galt4 (NM_019804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galt4 (NM_019804) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	B4galt4
Synonyms:	9130402O08Rik; b4Gal-T4; B4galt-IV; beta4Gal-T4; beta4GalT-IV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205179 representing NM_019804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCTGCAACCCACCTTATCACCTCTCTACAGATTACGATTGTTGCTGCTCTTTACCCTGTGCCTGA
CGGTGGTTGGGTGGGCCACCAGCAACTACTTTGTGGGTGCTATTCAAGTGATCCCCAAGGCAAAGGACTT
CATGGCTAGTTTCCACAAGGTCATACATTTGGGAATGAAGAACTCTGGGCCATGATGGGGCCACGAAA
AAACCAGAGCTTGCTAACTGCCCTTCGGTGTCTCAAACCTCAGAGGCCAGAGCAAGCTCGTTTTTAAGC
CGGACCTCACGTTGGAGGAAATAGAGGCTGAAAACCCCAAAGTGTCCAGAGGCCGGTATCACCTGAGGA
ATGTAAGGCTCTGCAGCGGGTGGCCATCCTCATTCCACACAGGAACAGAGAGAAGCACTTGATCTACCTG
CTGGAACACCTGCATCCCTTCCTGCAGAGGCAACAGCTGGACTACGGCATCTATATCATCCACCAGACGG
GAAGTAAAAAGTTAACCAGCAAGCTCCTGAACGTGGGCTATCTGGAAGCTCTCAAGGAGGAGAAGTCTG
GGACTGCTTCGATTCCACGACGTGGACCTGGTGCCTGAGAAATGACTTCAACCTCTACACCTGCGGTGAT
CAGCCCAAGCACTTGGTGGTGGGCCGGAACAGCACGGGCTACAGGTTGCGTTACAGTAAATTTTTGGGG
GTGTCACCTGCCCTCAGCAGGGAACAGTTTCTCAAGGTGAATGGATTCTCTAACAACACTACTGGGGATGGG
AGGAGAAGACGATGACCTCAGACTCAGGTTGAGCTCCATAAAATGAAAAATCCCGCCCAAGCCCGAC
GTGGGCAAATACACCATGATCTTCCACACCAGAGACAAAGGCAACAGGTGAACATGGGCCGAATGAAGC
TGTGCAACAGATGTCCCGGGTCTGAAAAACAGATGGCTTACGAGTTGTTCTTACAGATTACTCTCTGT
GGAGCACAAACCTTTATATGCCAACATCACAGTGGATTCTGGACTGCTGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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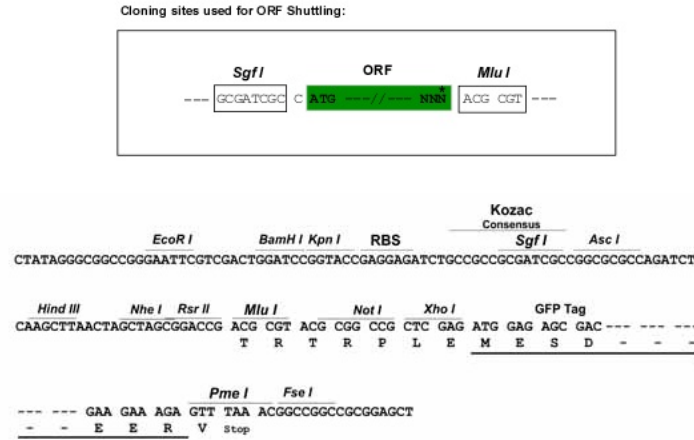
Protein Sequence: >MG205179 representing NM_019804
 Red=Cloning site Green=Tags(s)

MGCNPPYHLSYRLRLLLLFTLCLTVVGWATSNYFVGAIQVIPKAKDFMASFHKVIHLGNEETLGHGATK
 KPELANCPSPNLRGQSKLVFKPDLLEEIEAENPKVSRGRYPHEECKALQRVAIIPHRNREKHLIYL
 LEHLHPFLQRQQLDYGIYIIHQTGSKKFNRAKLLNVGYLEALKEENWDCFVFHDVDLVPENDFNL YTCGD
 QPKHLVGRNSTGYRLRYSKYFGVGTAL SREQFLKVNQF SNNYWG WGGEDDLRLRVELHKMKISRPKPD
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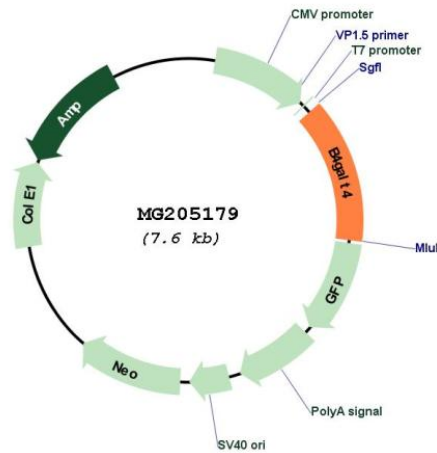
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019804

ORF Size: 1032 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:	<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:	NM_019804.4
RefSeq Size:	2140 bp
RefSeq ORF:	1035 bp
Locus ID:	56375
UniProt ID:	Q9J104
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]