

Product datasheet for **MG204713**

B3gat2 (BC058082) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gat2 (BC058082) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	B3gat2
Synonyms:	C130037I06, GlcAT-S, mKIAA1963
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204713 representing BC058082 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTCCGCGCTGTGCAGCCGCTTCTCATCCTCCTGCCCTGGATCCTGATTGTCATCATCATGTTGG
ACGTGGACCCCGCAGGCCCGCGCCCAACTCACTTCCCGTCCCTACTTCTCTCCCCATGCAGTGGGCTG
CGGGGGCTCCCGAGTCCCGCTCCGACGGAGTAGCCCCGGGCGTGACGCTGCCGAGAAGCGGAACGAGTCT
CGGCCTCAGCTGCAGCCGAGCCGCGCTTGCCACCATCTATGCCATCACACCCACCTACAGTCGCCCGG
TGCAGAAAGCCGAGCTCACTCGCCTGGCCAACACCTTCCGCCAGGTGGCGCAGTTGCACTGGATCCTGGT
GGAGGACCGGGGACGCGCAGCGAGCTGGTGAGCAGTTTCTAGCTCGGGCCGGCCTGCCAACACGCAC
CTGCATGTGCCACGCCGCGGCTACAAGCGACCGTGGCTGCCGCGGCCACCGAACAGCGCAACGCGG
GCCTCGCCTGGCTGCGCCAGAGGCATCAGCATCAGAGCGCGCAACCCGGCGTGCTTCTTCCGCGACGA
TGACAACACGTACAGTCTGGAGCTTCCAGGAGATGAGGACCACTCGCAAGGTTTCTGTCTGGCCTGTG
GGACTAGTTGGTGGGCGACGCTATGAACGTCCGTTGGTAAAAATGGCAAAGTTGTTGGCTGGTACACCG
GATGGAGAGAAGACAGGCCTTTTGCCATTGACATGGCTGGGTTTGTGTGAGTCTGCAAGTCATCTTGTG
CAATCCGAAAGCTGTATTTAAGCGCCGTGGATCCAGCCAGGGATGCAAGAATCTGACTTCTAAAGCAG
ATAACAACAGTTGAAGAACTGGAACCAAAAGTAGTAAGTGCACCAAGGTTCTCGTGTGGCACACTCGGA
CAGAGAAGGTCAATCTAGCCAATGAGCCAAAGTATCACCTGGACACAGTGAACATTGAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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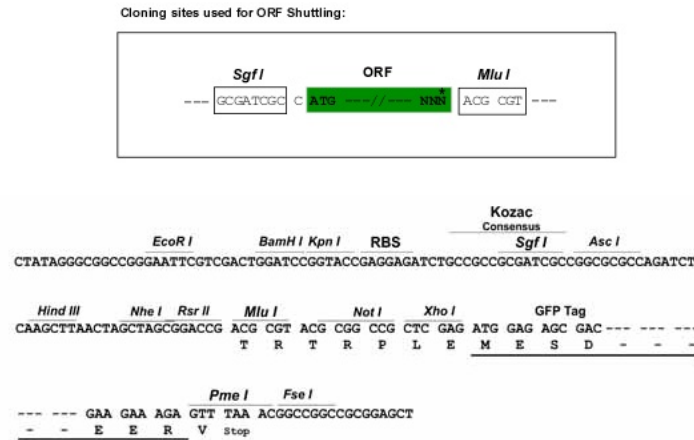
Protein Sequence: >MG204713 representing BC058082
 Red=Cloning site Green=Tags(s)

MKSALCSRFFILLPWILIVIIMLDVDPRRPAPQLTSRPYFSPHAVGCGGSRVPLRRSSPGRDAAEKRNES
 RPQLQPEPRLPTIYAITPTYSRPVQKAELTRLANTFRQVAQLHWILVEDRATRSELVSSFLARAGLPNTH
 LHVPTPRRYKRPWLPRATEQRNAGLAWLRQRHQHQAQPGVLFADDNTYSLELFQEMRTTRKVSVWPV
 GLVGGRRYERPLVKNGKVVGWYTWREDRPF AIDMAGFAVSLQVILSNPKAVFKRRGSQPGMQESDFLKQ
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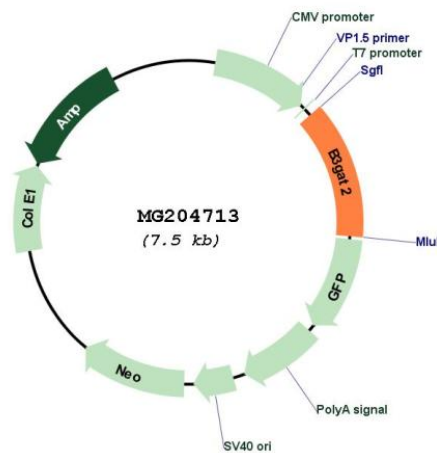
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC058082

ORF Size: 974 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:	BC058082 , AAH58082
RefSeq Size:	4263 bp
RefSeq ORF:	974 bp
Locus ID:	280645
Cytogenetics:	1 A5
Gene Summary:	Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on both glycolipids and glycoproteins.[UniProtKB/Swiss-Prot Function]