

Product datasheet for **RN214695**

B3gat2 (NM_022609) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gat2 (NM_022609) Rat Untagged Clone
Tag:	Tag Free
Symbol:	B3gat2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214695 representing NM_022609 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTCCGCGCTGTGCAACCGCTTCTTCATCCTCCTGCCCTGGATCCTGATCGTCATCATCATGTTGG
ACGTGGACCCCGCAGGCCCGGCCCACTCTCCGACCCACTTCTCTCCGCATACAGTGGGCTG
CGGGGTTCCCGAGTCCCGTCCGACGGAGCAGCCCGGGCGTGACGCTGCGGAGAAGCGAACGAGTCT
CGGCCTCAGTGCAGCCGAGCCGCGCTTGCCACCATCTATGCCATCACACCCACCTACAGTCGCCCGG
TGCAGAAAGCCGAGCTCACCCGCTGGCCAACACCTTCCGCCAGGTGGCGAGTTGCACTGGATCCTGGT
GGAGGACCGGGCAGCGCAGCGAGCTGGTGAGCAGTTCTAGCTCGGGCCGGGCTGCCAACACGCAC
CTGCATGTGCCACGCCGCGGCGCTACAAGCGACCGTGGCTGCCGCGGCCACCGAACAGCGCAACGCGG
GCCTCGCTGGCTGCGCCAGAGGCCAGCATCAGAGCGCGCAACCCGGCGTGCTTCTTCGCCGACGA
CGACAACAGTACAGTCTGGAGCTTCCAGGAGATGAGAACCACCGCAAGTTTCTGTCTGGCCCGTG
GGCCTAGTTGGTGGGCGACGCTATGAACGTCCATTGGTGAAAAATGGCAAAGTTGTTGGTGGTACACCG
GATGGAGAGAAGACAGGCCTTTTGCCATCGACATGGCTGGATTTGCTGTGAGTCTGCAAGTCATCTTGT
CAATCCGAAAGCTGTATTTAAGCGCCGCGATCCAGCCAGGGATGCAGGAATCTGACTTTCTAAAGCAG
ATCACAACAGTTGACGAAGTGAACCAAAAGCTAACAAGTGCACCAAGGTTCTCGTGTGGCACACTCGGA
CAGAGAAGGTCAATCTAGCCAATGAGCCAAAGTACCACATGGACACAGTGAACATCGAGGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_022609
Insert Size:	975 bp



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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:	NM_022609.2 , NP_072131.1
RefSeq Size:	1996 bp
RefSeq ORF:	975 bp
Locus ID:	64544
UniProt ID:	Q9Z137
Cytogenetics:	9q13
Gene Summary:	Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on both glycolipids and glycoproteins. Substrates include asialo-orosomucoid (ASOR), paragloboside (lacto-N-neotetraosylceramide), Gal-beta-1,4-GlcNAc-beta-1,3-Gal-beta-1,4-Glc-pyridylamine and Gal-beta-1,3-GlcNAc-beta-1,3-Gal-beta-1,4-Glc-pyridylamine.[UniProtKB/Swiss-Prot Function]