

Product datasheet for **RR215035**

B4gat1 (NM_001106324) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: B4gat1 (NM_001106324) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: B4gat1
 Synonyms: B3gnt1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR215035 representing NM_001106324
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAATGTCTACGCCATCCGATGCGCCTTCTACCAGCTGCTGCTGGCCGCGCTCATGTTGGTGGCAA
 TGCTGCAGCTGCTCTACCTATCGCTGCTCTCCGGTCTGCACGGCCAGGAGGCAAGAACAGTATTTCGA
 GTTCTTCCGCGCTCTCCGCGATCCGTAGACCAGGTAAGTCTCAACTCCGACCGCACTGGCCTCCGGA
 GCGTTCCTGGATGCCAGCGGCGATTATCGCGTCTACAGGGGTCTACTGAAGACCACCATGGACCCCAACG
 ATGTCATCTTGGCCACGCATGCCAGCGTAGACAACCTACTGCACCTGTCCGGACTTCTGGAGCGCTGGGA
 GGGTCCGCTGTCCGTTTCAGTGTTCGCGGCCACCAGAGAAGAGGCGCAGCTGGCCACGGTGTGGCCTAC
 GCGCTGAGCAGCCACTGCCCCGAGATGCGCGCCAGGGTCGCCATGCACCTCGTGTGCCCTCGCGTTATG
 AGGCCGCTGTGCCGACCCCGAGAGCCTGGGGAGTTTGCCTGCTGCGGTCTGTCAAGAGGTCTTTGA
 CAAGCTAGCCAGGGTGGCCCAACCCGGGATTAATTATGCACTGGGACCAACATCTCTATCCCAATAAC
 CTGTTAAGGAATCTGGCTCGAGAAGAAGCAATTATGCCCTGGTATCGATGTGGACATGGTGCCTAGCC
 AAGGGCTGTGGAGAAGCCTAAGGGAAATGTTGGATCAGAGTAACCACTGGGATGGCACAGCCCTGGTGGT
 GCCTGCGTGTGAAATTGCGCCGAGCCCGCGGATGCCGATGAACAAGAACGAGCTAGTACAGCTCTATCAG
 GTGGGCGAAGTCCGCGCCTTCTATTATGGGCTATGCACGCCTTGCCATGCGCCCACTACTCCCGCT
 GGGTCAACCTGCCAGAAGAGAGTTTGTGAGACCTGCCTACGTGGTGCCTGGAGGGACCCCTGGGAACC
 GTTTTACGTGGCTGGAGGAAAGGTGCCACATTTGATGAACGCTTTTCGGCAGTATGGTTTCAATCGAATC
 AGCCAGGCTTGTGAAGTGCACATGGCAGGGTTAATTTGAGGTGCTGAACGAAGTTTTCTGGTTCATA
 AGGGATTCAAGGAGGCATTGAAGTTTACCCCCAAAAGGAGGCTGAAAACCAGCGCAATAAGATTCTTTA
 CCGACAATTCAACAGGAGTTGAAGGCTAGGTACCCCAACTCTCCCCACCGATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215035 representing NM_001106324
Red=Cloning site Green=Tags(s)

MQMSYAIRCAFYQLLLAALMLVAMLQLLYL SLLSGLHGQEEQEYFEFFPPSPRSVDQVKSQRLTALASG
 GVL DASGDYRVYRGLLKT TMDPNDVILATHASVDNLLHL SGLLERWEGPLSVSVFAATREEAQLATVLAY
 ALSSHCP EMRARVAMHL VCP SRYEAAVDPDPREGEFALLRSCQEVFDKLARVAQPGINYLGTNISYPNN
 LLRNLAREEANYALVIDVDMVPSEGLW RSLREMLDQSNHWDGTALVVP AFEIRRARRMPMNKNELVQLYQ
 VGEV RPFYYGLCTPCHAPTNYSRWVNLPEESLLRPAYVVPWRDPWEPFYVAGGKVPTFDERFRQYGFNRI
 SQACELHMAGFNFEVLNEGFLVHKGFKEALKFHPQKEAENQRNKILYRQFKQELKARYPNSPHRC

TRTRPLEQKLISEEDLANDILDYKDDDDKV

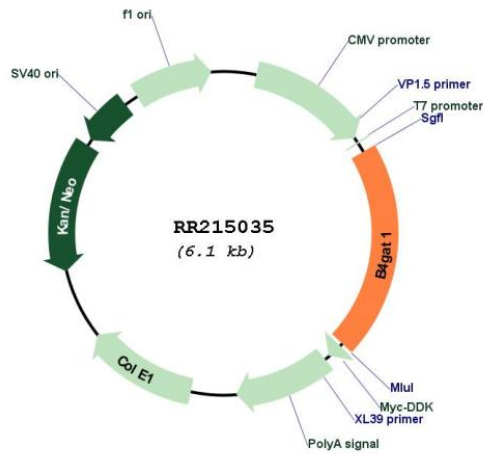
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001106324

ORF Size:	1245 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_001106324.1 , NP_001099794.1
RefSeq Size:	1980 bp
RefSeq ORF:	1248 bp
Locus ID:	293667
Cytogenetics:	1q43
MW:	47.5 kDa