

Product datasheet for **RR207303**

B3gat1 (NM_054003) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: B3gat1 (NM_054003) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: B3gat1
Synonyms: Hnk-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207303 representing NM_054003
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTAATGAGGAGCTGTGGGCGCAGCCAGCCTTGGAGATGCCGAAGAGAAGGGACATCCTCGCGATTG
TCCTCATTGTGCTTCCCTGGACTGCTCATCACCGTCTGGCACCAGAGCAGCCTCGCACCTCTGCTTGC
TGTGCACAAGGATGAGGGAAGTGACCCCGCCATGAGGCACCACCCGGTCCGGACCCTAGGGAGTACTGC
ATGTCCGACCGTGACATCGTGGAGGTGGTGCGCACAGAGTACGTGTACACGAGGCCGCCACCGTGGTCCG
ACACGCTGCCACCATCCATGTGGTGACGCCACCTACAGTAGACCGGTGCAGAAGGCAGAGCTGACGCG
AATGGCCAACACGCTATTGCATGTGCCAACCTTCACTGGCTGGTGGTGGAGGATGCTCCACGTAGGACG
CCCCTCACAGCGCGCCTGCTGCGCGACTGGCCTCAACTATACACCTGCACGTAGAGACACCACGCA
ACTACAAGCTGCGAGGTGACGCCGAGACCCTCGCATCCCACGTGGCACCATGCAGCGCAATCTGGCCCT
GCGCTGGTTGCGGGAGACCTTCCCACGGAACCTCACTCAGCCGGGTGTAGTGTACTTCGCAGATGACGAC
AACACGTACAGTCTGGAGCTCTTTGAAGAGATGCGCAGCACAAGAAGGTGTCCGTGTGGCTGTGGCCT
TTGTTGGCGCCCTTCGGTATGAGGCCCCCGGTGAATGGGGCAGGAAAGTGGTGGCTGGAAGACAGT
CTTCGACCCCCACCGCCATTTGCAATAGACATGGCTGGATTTGCTGTCAACCTCCGGCTCATCTTGCAA
CGAAGCCAGGCCACTTTAAGCTACGTGGGTTAAAGGAGGCTACCAGGAAAGCAGTCTCCTTCGAGAAC
TTGTCACCCTCAATGATCTAGAGCCCAAGGCAGCAAAGTGTACCAAGATCCTGGTCTGGCATAACGCGAAC
AGAGAAGCCAGTCTGGTGAATGAGGGGAAGAAGGGCTTCACTGACCCTCGGTGGAGATC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207303 representing NM_054003
 Red=Cloning site Green=Tags(s)

MGNEELWAQPALEMPKRRDILAIVLIVLPWTLITVWHQSSLAPLLAVHKDEGSDPRHEAPPGADPREYC
 MSDRDIVEVVRTEVYVTRPPWSDTLPTIHVVTPYSRPVQKAELTRMANTLLHVPNLHVLVVEDAPRRT
 PLTARLLRDTGLNYTHLVETPRNYKLRGDARDPRIPRGTMQRNLALRWLRETFPRNSTQPGVVYFADDD
 NTYSLELFEEMRSTRRVSVMPVAFVGGRLRYEAPRVNGAGKVVGWKTVFDPHRPFAIDMAGFAVNLRILQ
 RSQAYFKLRGVKGGYQESSLLRELVTLNDLEPKAANCTKILVWHTRTEKPVLVNEGKKGFTDPSVEI

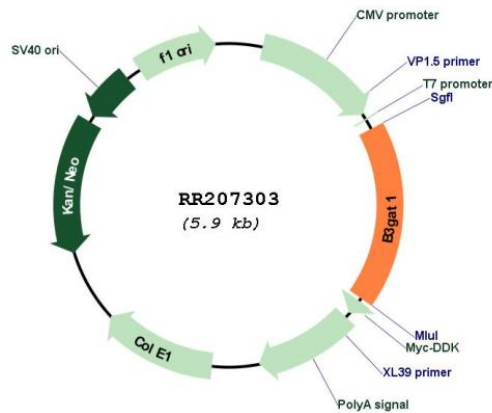
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_054003

ORF Size: 1041 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_054003.1 , NP_446455.1
RefSeq Size:	2090 bp
RefSeq ORF:	1044 bp
Locus ID:	117108
UniProt ID:	O35789
Cytogenetics:	8q13
MW:	39.7 kDa
Gene Summary:	mediates cell-cell and cell-substrate interaction and recognition during the development of the nervous system [RGD, Feb 2006]