

Product datasheet for **RR210707**

Brd8 (NM_001008509) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brd8 (NM_001008509) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brd8
Synonyms:	p120
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210707 representing NM_001008509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTTGCAGCGTGTCAATCTCTGCTCTGTGAGTGGCACTCCTGAGGTATGGCCACTATGGGGTCTTT
 CAACAGTAATATCTTTCCGTGTGGTTCCCTGGATCAAACCTCAGGTTGTAGGGCTTTTGAACAAGGGTATC
 AGTTAGCAGAGCAATCAAGCCCTTTGCTGAACCTGGCCGGCTCCAGACTGGTTCTCTCAAAAAATTGT
 GCTTCTCAGTATTCTGAGCTCTTAGAGACTACTGAGACTCCAAAACGAAAACGGGGTAAAAAGGAGAAG
 TGGTAGAACTGTTGAAGATGTTATTGTTCCGAAACTGACTGCTGAGAGAGTTGAGGAACTGAAGAAAGT
 CATAAAGGAGACACAGGAGAGATACAGGCGTCTGAAAAGAGATGCAGAATAATTCAAGCCGGGCACATG
 GACAGCAGACTGGATGAGCTCTGCAGTGACATTGCAATGAAAAGAAAATTGGAGGAGGAAGAGGCTGAAG
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 AACTGTGATGGTCCGCTCCCTATAGACTCCGCTCCCCAGGAGGTGATTATCCACTTGGAGACTTGACT
 CCAACCACTATGGAAGAGGCTACCTCTGGAGTAACCCCTGGGACTTTGCCGAGTACCCAGTCACCTCGT
 TTCTGGGATTCTGACACCTTCTCCAGGCTCTGCACCTTAGAAGCCCCATGACCCAGTAACAGA
 TGATTCACCCAGAAAAAGATGCTTGGACAGAAAGCAACTCCACCCCTCCCTCTGCTGTGAGAGCTC
 TTGAAGAAGGGCAGCCTCCTGCCTACTAGCCCCAGACTGGTGAATGAGAGTGAATGCCCGTGCCCTCTG
 GCCATCTGAGCAGCACAGGGTCTCTGGAGGTAGGCGGGTCTTCCCATGATCCATGGTGGGGACAT
 ACAGCCAGCAACCAGTGCAGTGGCAGCCTCCCCGCTGCCTCAGGTGCTCCACTCTCTCCCGCTTTTA
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 GCAGCTGGAGAGATGGGTGAGGCAGACGTTTCCAGTGGGAAAGGCGAGGAAAGGCCACTTCCGGCTGTGA
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 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210707 representing NM_001008509
 Red=Cloning site Green=Tags(s)

MLLQRVNLCVSGTPEVWPLWGLSTVISFRVVPGSNSGCRAFTRVSVSRAIKPFAEPGRPPDWFSSQKHC
 ASQYSELLETTEPKRKRGEKGEVVETVEDVIVRKLTAERVEELKKVIKETQERYRRLKRDAELIQAGHM
 DSRLDELCSDIAMKKLEEEAEVKRKATDAAYQARQAVKTPRRLPTVMVRSPIDSASPGGDYPLGLT
 PTTMEEATSGVTPGLPSTPVTSPFPGIPDTLPPGSAPLEAPMTPVTDDSPQKKMLGQKATPPPSPLLSEL
 LKKGSLPTSPRLVNESEMPVPSGHLSSSTGVLLVGGVLPMIHGGDIQPATSAVAASPAASGAPTLRLL
 EAGPTQFSTPLPSFTTVASEPPVKLVPPPVESVSQATIVMMPALPAPSSAPAVSTPESVAPVSQPEPCVP
 LEAVGDPQTVTVMDSSEISMIINSIKEECFRSGVAEAPGGSKAPSIDGKEDLDAEKMDIAVSYTGEEL
 DFETVGDIIAIIEDKVDDHPEVLDVAAVEAALSFCEENDDPQSLPGPWEHPIQQERDKPVPLPAPEMTVK
 QERLDFEESETKGIHELVDIRDSGVEIKVEPEPEPGMSGAEIVAGVGPVPSLEPELRSQDLDEEPRSS
 AAGEMGEADVSSGKGEERPLPAVKTEASPESMLSPSHGSNPIEDPLEAETQHKFEMSDSLKEESGTIFGS
 QIKDAPGEEEEEDGVSEASLEEPKEEDQGEGLSEMDNEPPVSEDDGFSIHNLATLQSHLGDSDIPSSP
 ASSQFVSCSEDQEAIIQAQKIWKKAIMLVWRAAANHRYANVFLQPVTDDIAPGYHSIVQRPMDLSTIKKNI
 ENGLIRSTAEFQRDIMLMFQNAVMYNSSDHDVYHMAVEMQRDVLLEQIQFLATQLIMQTSSESGISAKSLR
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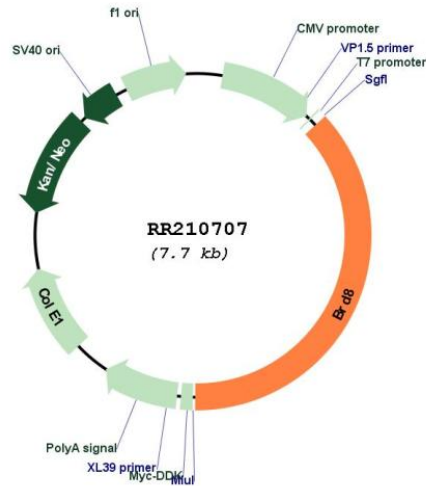
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001008509

ORF Size: 2871 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:

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_001008509.1](#), [NP_001008509.1](#)

RefSeq Size: 3318 bp

RefSeq ORF: 2874 bp

Locus ID: 291691

Cytogenetics: 18p12

MW: 103.3 kDa