

Product datasheet for **RR209767**

Brd1 (NM_001108103) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Brd1 (NM_001108103) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Brd1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209767 representing NM_001108103
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGGAGGAAAGGACGATGTCATCGAGGTTCTGCAGCGAGGCATCCTTCTTCCCGTGCGATATTAAC
 ACTCCCCACTCGTGAACATTGACATACGCACAAGCTCAAAGGATGGTGGAGATAGAAATCGAAGGGCG
 TTTGCATCGGATCAGTATTTTCGATCCCTTGGAGATCATTCTAGAAGATGACCTCACTGCTCAAGAAATG
 AGTGAATGCAACAGTAATAAAGAAAACAGTGAGAGGCCACCTGTTTGCTTAAGAAGTAAAGCGTCACAAAA
 ACAACAGAGTCAAAAAGAAAAATGAAGTCTTGCCAGCACCCATGGCACACCGGCTTCAGCCAGTGCCTT
 TCCTGAGCCCAAGGTGCGGATTGTGGAGTATAGTCCCTCCATCTGCACCCAGGAGGCCCTGTGTACTAC
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 GTTCTGATGGACCGCTTGGAGAAGGAGTCTACTGTGAGAACCAGAAGCAGGGTGAACACCAGTCTTGT
 ATAGACGAGGACGCTGTGTGCTGCATCTGCATGGATGGCGAATGCCAGAACAGCAACGTTATACTCTTCT
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 GCTGATCGAGCTGCTGCGCAAGCGGGAGAAAACCAAACGGGAGCAGGTGAAGGTGGAGCAGATGGCTATG



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GAGCTCCGGTTGACACCTCTGACTGTGCTGCTACGCTCAGTCCTGGAGCAGCTACAGGAGAAGGACCCCTG
 CAAAGATCTTTGCCAGCCCGTGAAGTCTCAAGGAGGTACCAGATTATTTGGATCACATTAACATCCCAT
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 AAGTCTGAGGAGAAGCTGTTCTTGTGTTTGTCTTTGACAATAAGAGAAGCTGGCAGTGGCTTCCCAAGT
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Protein Sequence:

>RR209767 representing NM_001108103
 Red=Cloning site Green=Tags(s)

MRRKGRCHRGSAAARHPSSPCSIKHSPTRETLTYAQARMVEIEIEGRHLHRISIFDPLEIILEDLTAQEM
 SECNSNKENRPPVCLRTKRHKNNRVKKNEVLPSTHGTASASALPEPKVRIVEYSPSPAPRRPPVYY
 KFIKSAEELDNEVEYDMDEEDYAWLEIINEKRKGDVSAVSQNMFFLMDRFEKESYCNQKQGEHQSL
 IDEDAVCCICMDGECQNSNVILFCDMCNLAVHQECYGVPIPEGQWLCRHCLQSRARPADCVLCPNKGGA
 FKKTDDDRWHVVCALWIPEVGFANTVFIPIIDGVRNIPPARWKLTCYLCKQKGVGACIQCHKANCYTAF
 HVTCAQKAGLYMKMEPVKELTGGSTTFVSRKTA YCDVHTPPGCTRRPLNIYGDVEMKNGVCRKESVKT
 RSTSKVRKKAKKAKKALAEPCAVLPTVCAPYIPPQRLNRANQVAIQRKKQFVERAHSYWLLKRLSRNGA
 PLLRRLQSSLQSRNTQORENDEEMKAAKEKLYWQRLRHDLERARLLIELLRKREKLKREQVQVEQMAM
 ELRLTPLTVLLRSVLEQLQEKPAKIFAQPVSLKEVPDYLDHIKHPMDFATMRKRLEAQGYKNLHAFEEED
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 VGQNSMWISTDAAASVLEPLKVVWAKCSGYPSYPALIIDPKMPRPVGHNGVTIPAPPLDVLKIGEHMQT
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 ASDLSID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

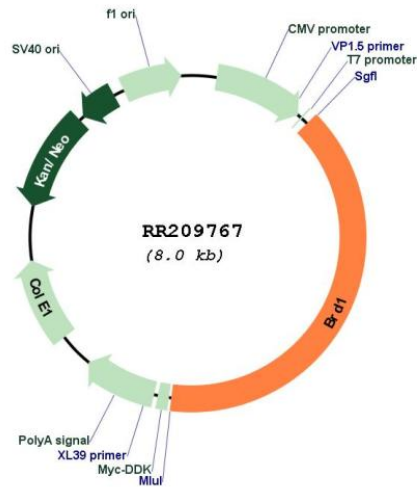
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108103

ORF Size: 3174 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:	<u>NM_001108103.1, NP_001101573.1</u>
RefSeq Size:	4500 bp
RefSeq ORF:	3177 bp
Locus ID:	315210
Cytogenetics:	7q34
MW:	119.8 kDa