

Product datasheet for **RR204244**

Brd7 (NM_001108440) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Brd7 (NM_001108440) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Brd7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204244 representing NM_001108440
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACTTGCAGAAAACCGGAAGCAGAAAGACAGAGCAGATGCCTGTCAAGGTGGAGAGGACAGTG
GCTGCTGGCAGAGAGAACGGGAGGACTCTGGAGATGCTGAAACACAGGCCTTCAAAGCCCCACCAAGGA
CAATAAAAAGAAAGACAAAGATGTGCTTGAAGACAAATGGAGAAGCAGCAACTCAGAAAGGGAGCATGAG
CAGATTGAGCGCTTGTCCAGGAGTCGGGGGGCAAGCTAACACGGCGGCTGGCAAACCTGTCAAGTGTGAAT
TTGAAAGAAGAAAACCAGATGGAACAACAACACTGGGGCTTCTCCATCCTGTGGACCCCATTTGTGGGAGA
ACCAGGCTACTGCCCTGTGAGACTGGGGATGACAACTGGAAGACTGCAGTCTGGAGTGAACACCCTGCAG
GGGTTCAAAGAGGATAAAAGGAACAGAGTGACCCAGTATTATACTTGAATTATGGACCCTACAGCTCTT
ATGCCCCACATTATGACTCTACATTTGCCAATATCAGCAAAGATGATTCTGACTTAATCTACTCAACATA
TGGGGAAGACTCTGACCTTCAAACAATTTTAGCATCTCTGAGTTTTTGGCCACATGCCAAGATTACCCG
TATGTTATGGCAGATAGTTTACTGGATGTTCTAACAAAAGGAGGACATTCAGGAGCCTGCAGGACTTGG
ACATGCCGTACCTGAAGATGAAGGCCAGACCAGAGCACTGGATGTTGCCAAGAAGCAGAGCAGGTTGC
GCATAGAGCCAGCGGGCGCTTTGGAGTCCAGCGGTCAGGACAGGCTCACAGCACTGCAAGCAGTGACG
AACTTCGGTGCTCCGGCTGAAGTCTTCCACTCGGAAGAGGCTGAGGTGTTCCAGAGGAAGCTTGATGAAA
CGACAAGATTGCTCAGGGAGCTCCAGGAGGCACAGAACGAGCGGCTGAGCACTAGGCCTCCTCCCAATAT
GATCTGTCTCTTGGGTCCTTCTTACAGAGAAATGTACCTTGTGAACAAGTGACCAATAACCTTAAAGAA
CTCACACAGCAAGTACTCCCGCGATGTTGTAAGCATACACGGAGTCCGAAAAGCAATGGGGATTTCTG
TTCCTTCCCCATCATGGGACACAGCCTCGTAGATTTGACAGAAGAGTGCGAAGACCCTAAGGAGACCAG
TACTGCCGAGAGTGGGCCCGCCGCGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204244 representing NM_001108440
Red=Cloning site Green=Tags(s)

MADLQKTRKQKDRADACQGGEDSGCWQREREDSGDAETQAFKSPTKDNKKKDKDVLKWRSSNSEREHE
 QIERVVQESGGKLRRLANCQCEFERRKPDGTTTLGLLHPVDPVIVGEPGYCPVRLGTTGRLQSGVNTLQ
 GFKEDKRNRVTPVLYLNYGPYSSYAPHYDSTFANISKDDSDLIYSTYGEDSDLPNFNSISEFLATCQDYP
 YVMADSLLDVLTGGHSRSLQDLDMPSPEDEGQTRALDVAKEAEQVAHIEPAGRLESSGQDRLTALQAVT
 NFGAPAEVFDSEEAQVFQRKLDLDETRRLRELQEAQNERLSTRPPPNMICLLGPSYREMYLAEQVTNNLKE
 LTQVTPGDVVSIHGVRKAMGISVPSPIMGHSLVDLTEECEDPKETSTAESGPAAS

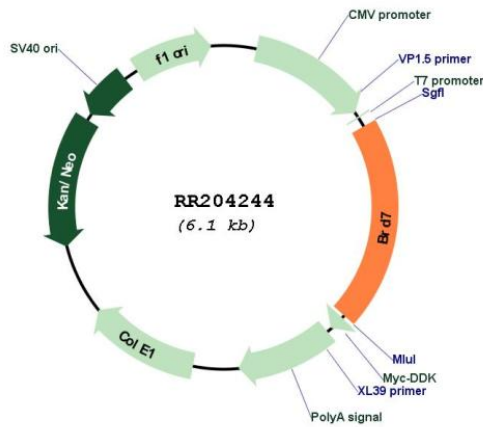
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108440

ORF Size:	1218 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_001108440.1 , NP_001101910.1
RefSeq Size:	1871 bp
RefSeq ORF:	1221 bp
Locus ID:	361374
Cytogenetics:	19p11
MW:	45.1 kDa