

## Product datasheet for **RR204633**

### **Brd3 (NM\_001108575) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Brd3 (NM_001108575) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR204633 representing NM\_001108575  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCACTACTACAGCGGCTGCCCCACGGGGATCCCGCAGTCCCGGGCCCCGTGAACCTCCCCAC  
 CTGAGGTCTCAACCCAGCAAGCCCGGCCGAAAGACTAACCGCTGCAGTACATGCAGAACGTAGTGGT  
 GAAGACTCTGAAACATCAGTTTGCCTGGCCTTTCTACCAGCCTGTGGATGCAATCAAGCTGAACCTG  
 CCTGATTATCATAAAATAATAAAAAACCAATGGACATGGGGACTATCAAGAAGAGACTAGAAAATAATT  
 ATTATTGGAGTGCCAGTGAGTGTATGCAGGACTTCAACACCATGTTTACAACTGTTATATTTATAATAA  
 GCCACAGATGACATAGTCTAATGGCCAGGCCCTTAGAGAAAATCTTTCTGCAGAAAGTGGCCAGATG  
 CCTCAGGAGGAAGTTGAACTATTGCCCTGCTCAAAGGGCAAAGGCCGGAAGCCAGCTGCAGGAGCCC  
 AGAATGCAGGTGCACAACAAATGGGAGCTGTGTCCTCGGTCTCCCAGCACCCCTTCCAGAACATACC  
 CCCACCGTATCCAGACACCCGTCATTGCCGCCACCCCTGTACCAACCATCACTGCAAACGTACAGTCA  
 GTTCCAGTCCCCCACCCGCCGACCCGCTCCTCTGCGACACCCATCGTCCCAGTGGTCCCTCCCACAC  
 CGCTGTAGTCAAGAAAAGGGCGTGAAGCGGAAAGCAGACACAACCCACCCACAACGTCCGCCATCAC  
 TGCCAGCCGGAGTGAGTCTCCCCGCCACTTTCAGAGCCCAAGCAAGCAAGGTAGTACCCGAAGAGAG  
 AGCGGGGGTGCGCCCATCAAACCTCCCAAGAAGGACCTGGAAGATGGTGAGGTCCCACAGCACGCGGGTA  
 AAAAGGGAAAAGTGTCCGAGCACCTGCGGCATTGTGACAGCATCTCCGGGAGATGTGTCCAAGAAGCA  
 CGCTGCCTATGCGTGGCCCTTTTACAAGCCAGTGGATGCCGAGGCACTGGAGTGCATGACTACCATGAC  
 ATAATCAAACACCCCATGGACCTTAGCACAGTCAAAGGAAAATGGACAGCCGTGAGTACCCAGATGCAC  
 AGGGCTTCGCTGCCGATATCCGGTTAATGTTCTCAATTGTTATAAGTACAACCCCTCAGACCACGAGT  
 GGTAGCCATGGCCAGGAAGCTCCAGGATGTGTTGAGATGAGGTTTGCCAAGATGCCCGATGAGCCCATG  
 GAGGTGCCTGCGCTGCTCCTCCACAGCCCCATCGTGAGCAAAGGGGCTGAGAGCAGCCGTAGTAGCG  
 AGGAGAGCTCTTCGACTCAGGCAGCTCAGACTCTGAAGAGGAGCGAGCCACTCGCTGGCAGAGCTGCA  
 GGAGCAGCTGAAAGCCGTGCACGAACAGCTGGCCGCTTGTCTCAGGCCCCAGTGAACAAACCAAGAAG  
 AAGAAGGAGAAGAAGGAAAAGGAGAAGAAGAAGACAAGGAGAAGGAGAAGGAGAAGCACAAGGCCA  
 AGTCCGAGGAGGAGAAGAAGGCCAAGGCAGCCCCAGCAGCAAGCAGGCCAGCAGAAGAAGGCTCCCAC  
 CAAGAAGGCCAATAGCACACCACAGCCAGCAGACAGCTCAAGAAGGGCGGCAAGCAGGCATCTGCATCC  
 TATGACTCGGAGGAAGAGGAGGAGGCCCTGCCATGAGCTACGATGAGAAGCGGCAACTCAGCCTCGACA  
 TCAACCGCTGCCTGGCGAGAAGCTAGGTGCTGTTGGTGCACATCATTAGTCCCAGGAGCCCTCCCTTCG  
 GGACTCGAACCCAGACGAGATTGAGATTGACTTTGAGACCCTGAAGCCAACCCACTTCGGAACTGGAG  
 AGATATGTCAAGTCTTGTTTACAGAAAAGCAGAGGAAACCATTGTCAACAAGCGGGAAGAAGCAGGCAG  
 CCAATCGAAAGAGGAGCTAGCTCAGGAGAAGAAAAGGAGCTGGAGAAGCGGCTACAGGATGTCAGCGG  
 ACAACTGAACAGCAAGAAACCCACTAAGAAAGAGAAGTCCGGCTCAGCTCCCTCAGGAGGCCCATCAAGG  
 CTCAGCAGTAGCAGCTCCTCCGAGTCTGCGAGTAGCAGCTCCAGTGGGTCAAGCTCTGACAGCAGTACT  
 CAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204633 representing NM\_001108575  
 Red=Cloning site Green=Tags(s)

MSTTTAAAPTGIPAVPGPVNPPPEVSNPSKPGRKTNQLQYMQNVVVKTLWKHQFAWPFYQPVDAIKLNL  
 PDYHKI IKNPMDGTIKKRL ENNYWSASECMQDFNTMFTNCYIYNKPTDDIVLMAQALEKIFLQKVAQM  
 PQEEVELLPAPKGGKGRKPAAGAQNAGAQQMGAVSSVSPAPPFQNIPTVVSQTPVIAATPVPTITANVTS  
 VPVPPAAPPATPIVPVPPPTPPVVKKGVKRRKADTTPTTSAITASRSESPPLSEPKQAKVVARRE  
 SGGRRPIKPPKDLEDGEVPQHAGKGGKLEHLRHCD SILREMLSKKHAAYAWPFYKPVDAEALHLDYHD  
 I I KHPMDLSTVKRKMDSREYPDAQGFAADIRLMFSNCYKNPPDHEVVAMARKLQDVFEMRFKMPDEPM  
 EVPALPAPTAPIVSKGAESSRSSEESSSDSGSSDSEERATRLAELQEQLKAVHEQLAALSQAPVKNPKK  
 KKEKKEKKEKKKDKKKEKKEKHKAKSEEEKAKAAPAAKQAQKKAPT KKANSTTTASRQLKGGKQASAS  
 YDEEEEEGLPMSYDEKRQLSLDINRLPGEKLRVVIHIIQSREPSLRDSNPDEIEIDFETLKPTTLRELE  
 RYVKSLQKKQRKPLSTSGKKQAAKSKEELAQEKKKELEKRLQDVSGQLNSKKPTKKEKSGSAPSGGSPSR  
 LSSSSSEASSSSSGSSSDSSDSE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001108575

**ORF Size:** 2175 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\\_001108575.1](#), [NP\\_001102045.1](#)

**RefSeq Size:** 3133 bp

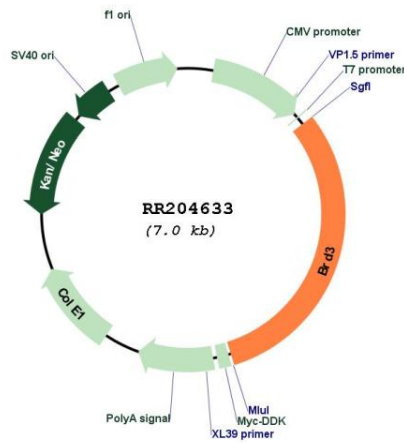
**RefSeq ORF:** 2178 bp

**Locus ID:** 362092

**Cytogenetics:** 3p12

**MW:** 79.7 kDa

**Product images:**



Circular map for RR204633