

Product datasheet for **MR210310**

Brd3 (NM_001113573) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brd3 (NM_001113573) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brd3
Synonyms:	2410084F24Rik; AW060456; Fsrg2; ORFX; RINGL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210310 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCACTACAGCGGCTGCCCCACGGGGATCCCGGCAGTCCCGGGCCCGTGAACCTCCCCACCTG
 AGGTCTCCAACCCAGCAAGCCCGGCGAAAGACTAACCAACTGCAGTACATGCAGAATGTAGTGGTGAA
 GACTCTGGAACATCAGTTTGCTGGCCTTTCTACCAGCCTGTGGATGCAATCAAGCTGAACCTGCCT
 GATTATCATAAAAATAAAAAACCCAATGGACATGGGGACTATCAAGAAGAGACTAGAAAAAATTATT
 ATTGGAGTGCCAGTGAGTGTATGCAGGACTTCAACACCATGTTTACAACTGTTATTTATAAAGCC
 CACAGATGATATAGTGCTAATGGCCAGGCCTTAGAGAAAATCTTTCTGCAGAAAGTGGCCAGATGCCT
 CAGGAGGAAGTTGAACTATTGCCCTGCTCAAAGGGCAAAGGCCGGAAGCCAGCTGCAGGAGCCAAA
 ATGCAGGTTCCCAACAAGTGGCAGCTGTGTCTTCGGTCTCCCAGCAACCCCTCCAGAACATACCCCC
 CACCGTGTCCAGACACCCGTCATTGCCGCTACCCCTGTACCAACCATCACTGCAAACTGACGTCAGTT
 CCAGTCCCCCACCCGCTGCACCGCCTCCTCTGCGACACCCATCGTCCCTGTGGTCCCTCCACACCCG
 CTGTAGTCAAGAAAAAGGGCGTGAAGCGGAAAGCAGACACAACCACCCACAACATCTGCCATCACTGC
 CAGCCGGAGTGAGTCTCCCCACCACTTTCAGAGCCCAAGCAAGCAAGGTAGTGGCCCGAAGGGAGAGC
 GGGGGCCGCCCATCAAACCTCCCAAGAAGGACCTGGAAGATGGTGGAGTCCCACAGCACGGGTAATA
 AGGGAAAAGTGTCCGAGCACCTGCGGCACTGTGACAGCATCTCCGGGAGATGCTGTCCAAGAAGCATGC
 TGCTATGCGTGGCCCTTTACAAGCCAGTGGACGCGGAGGCGCTGGAGTGCATGACTACCATGACATC
 ATCAAGCACCCCATGGACCTCAGCACGGTCAAAGGAAGATGGATAGCCGAGAGTACCCAGATGCACAGG
 GCTTTGCTGCTGATATCCGGTTAATGTTCTCGAATTGTTATAAGTACAACCTCCAGACCAGAAAGTGGT
 GGCCATGGCCAGGAAGCTCCAGGATGTGTTGAGATGAGGTTTGCCAAGATGCCCGATGAGCCCATGGAG
 GCGCCTGCGCTGCCCGCTCCACGGCCCCATCGTGAGCAAGGGGGCTGAGAGCAGCCGAGTGTGAGG
 AGAGCTCTCAGATTAGGCAGCTCAGACTCAGAAGAGGAGCGAGCCACTCGGCTGGCTGAGCTGCAGGA
 GCAGCTGAAGGCCGTGCACGAACAGCTGGCTGCCTTGTCTCAGGCCCCAGTGAACAAACCAAGAAGAAG
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 CCAAGTCTGAGGAGGAGAAGAAGCCAAGGCAGCCCCAGCAGCCAAGCAGGCCAGCAGAAAAAGGCTCC
 CACCAAGAAGGCCAACAGCACACCACAGCCAGCAGACAGCTCAAGAAGGGCGGCAAGCAGGCATCTGCG
 TCCTATGACTCAGAGGAAGAGGAGGAGGCGCTGCCATGAGCTATGATGAAAAGCGACAACCTAGCCTTG
 ACATCAACCGGCTGCCCGCGAGAAGCTAGGGCGTGTGGTGCACATCATTAGTCTCGGGAGCCCTCGCT
 TCGGGACTCAAACCCAGACGAGATTGAGATTGACTTTGAGACCCTGAAGCCAACCAGCTGCGGGAAGT
 GAGAGATATGTCAAGTCTTGTTTACAAAAAAGCAGAGGAAACCTTGTCAACAAGCGGGAAGAAGCAGG
 CAGCCAAATCGAAAGAGGAGCTAGCTCAGGAGAAGAAAAGGAGCTGGAGAAGCGGCTGCAGGATGTGAG
 TGGAACTGAACAGCAAAAAACCCACTAAGAAAGAGAAGTCCGGCTCAGCTCCCTCAGGAGGCCATCA
 AGGCTCAGCAGTAGCAGCTCCTCTGAGTCTGCGAGCAGTAGCTCCAGTGGATCGAGCTCCGACAGCAGTG
 ACTCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210310 protein sequence
 Red=Cloning site Green=Tags(s)

MSTTAAAPTGIPAVPGPVNPPPEVSNPSKPGRKTNQLQYMQNVVVKTLWKHQFAWPFYQPVDAIKLNL
 DYHKI IKNPMDMGTIKKRENNYYWSASECMQDFNTMFTNCYIYNKPTDDIVLMAQALEKIFLQKVAQMP
 QEEVELLPAPKGGKGRKPAAGAQNAGSQVAAVSSVSPATPFQNIPTVSTPVI AATPVPTITANVTSV
 PVPPPAAPPPATPIVPVVPPTPPVVKKKGVKRKADTTPTTSAITASRSESPPLSEPKQAKVVARRES
 GGRPIKPPKDLLEDGEVPOHAGKKGKLEHLRHCD SILREMLSKKHAAYAWPFYKPVDAEALHLDYHDI
 IKHPMDLSTVKRKMDSREYPDAQGFAADIRLMFSNCYKYNPPDHEVVAMARKLQDVFEMRFKMPDEPME
 APALPAPTAPIVSKGAESSRSSEESSSSSGSSDSEERATRLAELQEQLKAVHEQLAALSQAPVVKPKKK
 KEKKEKKEKDKDKDKEKEKHKAKSEEEKKAKAAPAAKQAQKKAPT KKANSTTTASRQLKGGKQASA
 SYDSEEEELPMSYDEKRQLSLDINRLPGEKLRV VHI IQSREPSLRDSNPDEIEIDFETLKPTTLREL
 ERYVKSLQKKQRKPLSTSGKKQA AKSKEELAQEKKLEKRLQDVSGQLNSKPKTKKEKSGSAPSGG
 PSLSSSSSESASSSSSGSSDSSDSE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

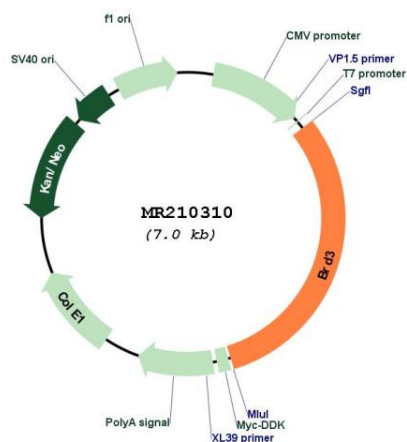


ACCN: NM_001113573

ORF Size: 2178 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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_001113573.1 , NP_001107045.1
RefSeq Size:	5269 bp
RefSeq ORF:	2181 bp
Locus ID:	67382
UniProt ID:	Q8K2F0
Cytogenetics:	2 A3
MW:	79.8 kDa
Gene Summary:	Chromatin reader that recognizes and binds hyperacetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling and interaction with transcription factors (PubMed:21536911). Regulates transcription by promoting the binding of the transcription factor GATA1 to its targets (PubMed:21536911).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210310