

Product datasheet for **MC221693**

Brd2 (NM_010238) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brd2 (NM_010238) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brd2
Synonyms:	AW228947; D17H6S113E; Frg-1; Fsrg-1; Fsrg1; mKIAA4005; Nat; Ring3; Rnf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221693 representing NM_010238
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCAAAACGTGACTCCCCACAAGCTCCCTGGGGAAGGGAATGCAGGGTTACTGGGGCTGGGCCAG
 AGGCAGCAGCACCAGGAAAAGGATTCGAAAGCCTTCTCTGCTGTATGAGGGATTTGAGAGCCCCACAAT
 GGCTTCTGTACCACTTTACAACCTGGCCCTGCCAATCCACCACCCCTGAGGTGTCCAATCCCAAAAAG
 CCAGGACGGGTAACAAACCAACTGCAGTACCTGCACAAGGTAGTGATGAAGGCTCTGTGGAAGCATCAGT
 TTGCATGGCCATTCGGCAGCCTGTGGACGCTGTGAAGCTGGGTTTGGCGGATTATCACAAAATTATAAA
 ACAGCCTATGGACATGGTACTATCAAGAGGAGACTTGAAAACAATTACTACTGGGCTGCCTCAGAATGT
 ATGCAGGATTTAATACTATGTTACCACTGTTACATTTATAACAAGCCCACCGATGATATTGCCTAA
 TGGCACAGACACTGGAAGATCTTCTACAGAAAGTAGCATCCATGCCACAAGAGGAGCAAGAGCTTGT
 GGTGACCATCCCTAAAAACAGCCATAAGAAGGGGGCCAAGTTAGCAGCACTCCAGGGCAGTATTACCAGT
 GCCCATCAGGTGCCTGTGTCTTCTGTGTGCGATACAGCCCTGTATACACCACCACCTGAAATACCTA
 CCACTGTCTCAACATTCACCACCCATCAGTATCTCTTCTCTCTTCTTAAAGTCCCTGCATTCTGTCTGG
 ACCCCCACTCCTTGTGTATCAGCAGCGCTCCAGCTCAGCCCCTTGCCAAGAAAAAGGCGTTAAACGG
 AAAGCGGATACTACCACCCTACACCACAGCCATCCTGGCTCCTGGTTCACAGCTAGTCTCCTGGGA
 GTCTTGAGCCAAAGGCAGCAAGGCTCCCTCCTATGCGCAGAGAGAGTGGCCGCCAATCAAACCCCAAG
 AAAAGACTTGCTGACTCGAACAGCAACACCAGAGCTCTAAGAAAGGGAAGCTGTCAGAGCAGTTAAAG
 CACTGCAACGGCATCTGAAGGAAGTCTCTCAAAGAAGCAGCTGCCTACGCTGGCCCTTCTATAAGC
 CAGTGGACGCTTCTGCTTGGCTTTCATGATTACCATGACATTAACACCCCATGGACCTCAGCAC
 TGTCAAGCGGAAGATGGAGAACCCTGACTACCGGATGCACAGGAGTTTGGCTGCTGATGTACGGCTTATG
 TTCTCCAAGTATAAGTACAATCCTCCAGACCAGTGTGTTGGCTATGGCACGAAAGTGCAGGATG
 TGTTTGAGTTTCGCTATGCCAAGATGCCAGATGAGCCACTGGAACCAGGACCTCTACCAGTCTCTACTGC
 CTTGCCTCCTGGGTTGACCAATCCTCTCAGAGTCTCCAGTGAAGGAAAGTAGCAGTGAAGTTCTCT
 GAGGAAGAGGAGGAGGAGGAAGAAGATGAGGACGAGGAGGAGTGAAGCTCAGACTCTGAGGAGGAAA
 GGGCTCATCGCTAGCAGAGCTGCAGGAGCAGCTTCGGGCAGTTCATGAACAACCTGGCTGCCCTGTCCCA
 GGGCCCAATATCTAAGCCCAAGCGGAAGAGAGAAAAAGAAAAAAGAAACGGAAGGCAGAGAAA
 CATCGTGGCCGAATTGGGATCGATGAAGATGATAAGGGGCTAGGGCACCTCGCCACCTCAGCCCAAGA
 AATCTAAGAAAGCAGGTGGTGGGGTAGCAATGCTACTACACTCAGCCATCCTGGCTTTGGGACTCCGG
 AGGAAGTAGCAACAAGCTACCTAAAAAGTCTAAAAGACAGCTCCACCTGTCTTCCCCTGGCTATGAT
 TCTGAGGAGGAGGAAGAAAGCAGGCCATGAGTTATGATGAGAAGAGACAGTTAAGCCTGGATATCAATA
 AGTTACCTGGGAAAAGCTGGTTCGAGTGTACATATCAAGCCAGGGAACCCTCTCTACGTGATTC
 AAATCCAGAAGAAATTGAGATTGATTTTGAACACTCAAGCCGTCCACACTTAGAGAGCTTGAGCGATAT
 GTTTTATCCTGCCTTCGAAAGAAACCCGGAAGCCCTACACTATTAGGAAACCTGTGGGAAAAACAAAG
 AGGAACGGCTTTGGAGAAGAAGCGGGAGCTAGAGAAGCGGTTGCAGGATGTCAGTGGACAGCTCAACTC
 CACCAAAAAGCCTCCCAAGAAAGCGAGTGAGAAGACAGAGTCACTGCACAGCAAGTGGCAGTGTCCCGT
 CTCAGTGTCTTAGTTCAGCTCAGATTCCAGCTCCTCGTCGTATCTTCTTCTTTCAGACACCAGCG
 ATTCAGACTCGGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010238
Insert Size: 2397 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_010238.3 , NP_034368.2
RefSeq Size:	4504 bp
RefSeq ORF:	2397 bp
Locus ID:	14312
UniProt ID:	Q7J113
Cytogenetics:	17 17.98 cM
Gene Summary:	<p>Binds hyperacetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling. Regulates transcription of the CCND1 gene. Plays a role in nucleosome assembly (By similarity). May play a role in spermatogenesis or folliculogenesis. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the same protein as variant 2.</p>