

Product datasheet for **MC228955**

Brd2 (NM_001204973) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brd2 (NM_001204973) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brd2
Synonyms:	AW228947; D17H6S113E; Frg-1; Fsrg-1; Fsrg1; mKIAA4005; Nat; Ring3; Rnf3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228955 representing NM_001204973
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCAAAACGTGACTCCCCACAAGCTCCCTGGGGAAGGGAATGCAGGGTTACTGGGGCTGGGCCAG
 AGGCAGCAGCACCAGGAAAAGGATTCGAAAGCCTTCTCTGCTGTATGAGGGATTTGAGAGCCCCACAAT
 GGCTTCTGTACCACTTTACAACCTGGCCCTGCCAATCCACCACCCCTGAGGTGCCAATCCCAAAAAG
 CCAGGACGGGTAACAAACCAACTGCAGTACCTGCACAAGGTAGTGATGAAGGCTCTGTGGAAGCATCAGT
 TTGCATGGCCATCCGGCAGCCTGTGGACGCTGTGAAGCTGGGTTTCCGGGATTACAAAAATTATAAA
 ACAGCCTATGGACATGGTACTATCAAGAGGAGACTTGAAAACAATTACTACTGGGCTGCCTCAGAATGT
 ATGCAGGATTTAATACTATGTTACCACTGTTACATTTATAACAAGCCCACCGATGATATTGCCTAA
 TGGCACAGACACTGGAAGATCTTCTACAGAAAGTAGCATCCATGCCACAAGAGGAGCAAGAGCTTGT
 GGTGACCATCCCTAAAAACAGCCATAAGAAGGGGGCCAAGTTAGCAGCACTCCAGGGCAGTATTACCAGT
 GCCCATCAGGTGCCTGTGTCTTCTGTGTGCGATACAGCCCTGTATACACCACCACCTGAAATACCTA
 CCACTGTCTCAACATTCACCCACCCATCAGTCACTCTTCTCTCTTCTTAAAGTCCCTGCATTCTGTCTGG
 ACCCCCACTCCTTGTGTATCAGCAGCGCTCCAGCTCAGCCCCTTGCCAAGAAAAAGGCGTTAAACGG
 AAAGCGGATACTACCACCCTACACCCACAGCCATCCTGGCTCCTGGTTCACCCAGCTAGTCTCCTGGGA
 GTCTTGAGCCAAAGGCAGCAAGGCTCCCTCCTATGCGCAGAGAGAGTGGCCGCCAATCAAAACCCACG
 AAAAGACTTGCTGACTCGAACAGCAACACCAGAGCTCTAAGAAAGGGAAGCTGTCAGAGCAGTTAAAG
 CACTGCAACGGCATCCTGAAGGAAGTCTCTCAAAGAAGCAGCTGCCTACGCTGGCCCTTCTATAAGC
 CAGTGGACGCTTCTGCTTGGCCTTTCATGATTACCATGACATCATTAAACACCCCATGGACCTCAGCAC
 TGTCAAGCGGAAGATGGAGAACCCTGACTACCGGATGCACAGGAGTTTGTCTGTGATGTACGGCTTATG
 TTCTCCAAGTATAAGTACAATCCTCCAGACCAGTGTGTTGGCTATGGCACGAAAGTGCAGGATG
 TGTTTGAGTTTCGCTATGCCAAGATGCCAGATGAGCCACTGGAACCAGGACCTCTACCAGTCTCTACTGC
 CTTGCCTCCTGGGTTGACCAATCCTCTCAGAGTCTCCAGTGAAGAAAGTGCAGTGAAGTTCTCT
 GAGGAAGAGGAGGAGGAGGAAGAAGATGAGGACGAGGAGGAGTGAAGCTCAGACTCTGAGGAGGAAA
 GGGCTCATCGCTAGCAGAGCTGCAGGAGCAGCTTCGGGCAGTTCATGAACAACCTGGCTGCCCTGTCCA
 GGGCCCAATATCTAAGCCCAAGCGGAAGAGAGAAAAAGAAAAAAGAAGAAACGGAAGGCAGAGAAA
 CATCGTGGCCGAATTGGGATCGATGAAGATGATAAGGGGCTAGGGCACCTCGCCACCTCAGCCCAAGA
 AATCTAAGAAAGCAGGTGGTGGGGTAGCAATGCTACTACACTCAGCCATCCTGGCTTTGGGACTCCGG
 AGGAAGTAGCAACAAGCTACCTAAAAAGTCTAAAAGACAGCTCCACCTGTCTTCCCACTGGCTATGAT
 TCTGAGGAGGAGGAAGAAAGCAGGCCATGAGTTATGATGAGAAGAGACAGTTAAGCCTGGATATCAATA
 AGTTACCTGGGAAAAGCTGGGTCGAGTAGTACATATCATCCAAGCCAGGGAACCCTCTCTACGTGATTC
 AAATCCAGAAGAAATTGAGATTGATTTTGAACACTCAAGCCGTCCACACTTAGAGAGCTTGAGCGATAT
 GTTTTATCCTGCCTCGAAAGAAACCCCGAAGCCCTACACTATTAGGAAACCTGTGGGAAAAACAAAG
 AGGAACGGCTTTGGAGAAGAAGCGGGAGCTAGAGAAGCGGTTGCAGGATGTCAGTGGACAGCTCAACTC
 CACCAAAAAGCCTCCCAAGAAAGCGAGTGAGAAGACAGAGTCATCTGCACAGCAAGTGGCAGTGTCCCGT
 CTCAGTGCTTCTAGTTCAGCTCAGATTCCAGCTCCTCGTCGTATCTTCTTCTTTCAGACACCAGCG
 ATTCAGACTCGGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001204973
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001204973.1</u> , <u>NP_001191902.1</u>
RefSeq Size:	4685 bp
RefSeq ORF:	2397 bp
Locus ID:	14312
UniProt ID:	<u>Q7J113</u>
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 (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>