

Product datasheet for **MC220408**

Brd2 (NM_001025387) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Brd2 (NM_001025387) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Brd2 |
| Synonyms: | AW228947; D17H6S113E; Frg-1; Fsrg1; KIAA4005; 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: >MC220408 representing NM_001025387
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACATGGGTACTATCAAGAGGAGACTTAAAAACAATTACTACTGGGCTGCCTCAGAATGTATGCAGG
 ATTTTAATACTATGTTTACCAACTGTTACATTTATAACAAGCCACCGATGATATTGTCCTAATGGCACA
 GACACTGGAAAAGATCTTCTACAGAAAGTAGCATCCATGCCACAAGAGGAGCAAGAGCTTGTGGTGACC
 ATCCCTAAAAACAGCCATAAGAAGGGGGCCAAGTTAGCAGCACTCCAGGGCAGTATTACCAGTGCCCATC
 AGGTGCCTGTGTCTTCTGTGTGCGATACAGCCCTGTATACACCACCACCTGAAATACCTACCCTGT
 CCTCAACATTCACCACCCATCAGTCATCTTCTCTCTTCTTAAAGTCCCTGCATTCTGTGGACCCCA
 CTCCTTGTGTATCAGCAGCGCTCCAGCTCAGCCCTTGCCAAGAAAAAAGGCGTTAAACGGAAAGCGG
 ATACTACCACCCCTACACCCACAGCCATCTGGCTCCTGGTCCCGAGTCTCTCTGGGAGTCTTGA
 GCCAAAGGCAGCAAGGCTCCCTCTATGCGCAGAGAGAGTGGCCGCCAATCAAACCCCCACGAAAAGAC
 TTGCCTGACTCGCAACAGCAACACCAGAGCTCTAAGAAAGGGAAGCTGTAGAGCAGTTAAAGCACTGCA
 ACGGCATCCTGAAGGAAGTCTCTCAAAGAAGCAGCTGCCTACGCTGGCCCTTCTATAAGCCAGTGGA
 CGCTTCTGCTCTTGGCCTTCATGATTACCATGACATCATTAAACACCCCATGGACCTCAGCACTGTCAAG
 CGGAAGATGGAGAACCGTACTACCGGGATGCACAGGAGTTTGTGTGTGTGTGTGTGTGTGTGTGTGT
 ACTGCTATAAGTACAATCCTCCAGACCAGATGTTGTGGCTATGGCACGAAAAGTGCAGGATGTGTTTGA
 GTTTCGCTATGCCAAGATGCCAGATGAGCCACTGGAACAGGACCTCTACCAGTCTCTACTGCCTTGCT
 CCTGGGTTGACCAATCCTCTCAGAGTCTCCAGTGAAGAAAGTACAGTGAAGATTCCTCTGAGGAAG
 AGGAGGAGGAGGAAGAAGATGAGGACGAGGAGGAGAGTAAAGCTCAGACTCTGAGGAGGAAAGGGCTCA
 TCGCCTAGCAGAGCTGCAGGAGCAGCTTCGGGCAGTTCATGAACAACCTGGCTGCCCTGTCCAGGGCCCA
 ATATCTAAGCCCAAGCGGAAGAGAGAGAAAAAGGAAAAAAGAAGAAACGGAAGGCAGAGAAACATCGTG
 GCCGAATTGGGATCGATGAAGATGATAAGGGGCCTAGGGCACCTCGCCACCTCAGCCCAAGAAATCTAA
 GAAAGCAGGTGGTGGGGTAGCAATGCTACTACACTCAGCCATCCTGGCTTTGGGACTTCCGGAGGAAGT
 AGCAACAAGTACCTAAAAAGTCTCAAAGACAGCTCCACCTGTCCTTCCACTGGCTATGATTCTGAGG
 AGGAGGAAGAAAGCAGGCCCATGAGTTATGATGAGAAGAGACAGTTAAGCCTGGATATCAATAAGTTACC
 TGGGAAAAGCTGGTTCGAGTAGTACATATCATCAAGCCAGGGAACCTCTCTACGTGATCAAATCCA
 GAAGAAATGAGATTGATTTTGAACACTCAAGCCGTCACACTAGAGAGCTTGAGCGATATGTTTAT
 CCTGCCTTCGAAAGAAACCCCGAAGCCCTACACTATTAGGAAACCTGTGGGAAAAACAAAGGAGGAACT
 GGCTTTGGAGAAGAAGCGGGAGCTAGAGAAGCGGTTGCAGGATGTGAGTGGACAGCTCAACTCCACCAAA
 AAGCCTCCAAGAAAGCAGTGAAGAAGCAGAGTCATCTGCACAGCAAGTGGCAGTGTCCCGTCTCAGTG
 CTTCTAGTTCAGCTCAGATTCCAGCTCCTCGTCGTCATCTTCTCTTCTCAGACACCAGCGATTGAGA
 CTCGGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001025387

Insert Size: 2040 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).

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| 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_001025387.2</u> , <u>NP_001020558.1</u> |
| RefSeq Size: | 4520 bp |
| RefSeq ORF: | 2040 bp |
| Locus ID: | 14312 |
| Cytogenetics: | 17 17.98 cM |
| Gene Summary: | 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] |