

Product datasheet for **MC224400**

Brd4 (NM_020508) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Brd4 (NM_020508) Mouse Untagged Clone
Tag: Tag Free
Symbol: Brd4
Synonyms: Brd5; HUNK1; MCAP; WI-11513
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224400 representing NM_020508
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTACGGAGAGCGGCCCTGGGACAAGATTGAGAAATCTGCCAGTAATGGGGATGGACTAGAAACCT
 CCCAAATGTCTACAACGCAGGCCAGGCCAACCCAGCCAGCAAATGCAGCCAGCACCAATCCTCCACC
 CCCAGAGACCTCCAACCTAACAAGCCCAAGAGACAGACAAACCAACTGCAATATCTGCTCAGAGTGGT
 CTCAAGACACTATGGAACACCAGTTTGGCTGGCCTTTCCAGCAGCCCGTGGATGCCGTCAAGCTGAACC
 TCCTGATTACTATAAGATTATTAACACCCATGGATATGGGAACAATAAAGAAGCGCTTGGAAAAACA
 CTATTACTGGAATGCTCAGGAATGTATCCAGGACTTCAACTATGTTTACAAATGTTACATCTATAAC
 AAGCCTGGAGATGACATCGTCTTAATGGCAGAAGCTCTGGAGAAGCTCTTCTTGCAAAAAATCAATGAAC
 TGCCTACAGAAGAACTGAGATCATGATAGTCCAGGCAAAGGAAGAGGACGAGGGAGGAAAGAAACAGG
 GGCAGCAAAGCCTGGTGTATCCACGGTACCAACACAACCTCAAGCATCACTTCTCCGCAGACCCAGACG
 CCTCAGCAGAACCCTCCTCCACCTGTGCAGGCCACAACCTCACCCCTTCTGCTGTACCCAGACCTCA
 TTGCCAGCCTCCTGTATGACAATGGTGCCCTCAGCCACTCAGACTCCTTACCCGGTACCCCCCA
 GCCACCACCCACCTGCTCCAGTTCACAGCCTGTGCAGAGTCAACCCGATCATTGCGACACCCCA
 CAGCCTGTGAAGACAAAGAAAGGGTGAAGAGGAAAGCAGATACCACCACCCCTACCACCATCGACCCCA
 TTCATGAGCCACCCTCACTGGCCCCAGAGCCCAAGACCGCAAGCTGGTCTCGGCGGGAGAGCAGCAG
 ACCTGTGAAGCCTCAAAGAAGGATGTACCGGACTCACAGCAGCACCCAGGGCCAGAGAAGAGCAGCAAG
 ATCTCTGAGCAGCTAAAGTGTGTCAGTGGCATCCTCAAGGAGATGTTTGCCAAGAAACATGCTGCATG
 CCTGGCCTTTCTACAAGCCTGTGGATGTGGAGGCACTGGTCTGCAGACTACTGTGACATCATCAACA
 TCCCATGGACATGAGCACAATCAAGTCTAACTAGAGTCCCGAGAGTACAGAGATGCCAGGAATTTGGT
 GCTGATGTCGATTGATGTTCTCAACTGCTACAAGTACAACCCCTGACCATGAAGTGGTAGCCATGG
 CTCGAAAACCTCAGGATGTGTTGAAATGCGCTTTGCCAAGATGCTGATGAGCCTGAAGAGCCAGTTGT
 TACAGTGTCTCTCTGAGTGCCACCCCTACAAGGTGGTAGCCACCCCTCATCTAGTGACAGCAGC
 AGCGACAGTTCTCCGACAGCGACAGTCCACTGACGACTCTGAGGAAGAGCGAGCCAGCGGCTGGCTG



AACTCCAGGAACAGCTCAAGGCCGTGCATGAGCAGCTTGACGCCCTCTCACAGCCCCAGCAGAACAAACC
 AAAGAAAAGGAGAAGGACAAGAAGGAAAAGAAAAGGAAAAGCAGAAAAGAAAAGAAAGTGGAGGAA
 AATAAAAAAGCAAAACCAAGGAACTTCTCCAAAAAGACAAAAGAAAAAATACAGCAGCAACAGCAATG
 TGAGCAAGAAGGAACAGTACCCACGAAGACCAAGCCGCTCCCACATATGAATCAGAAGAGGAGGATAA
 GTGTAAGCCATGTCTTATGAGGAGAAGCGGCAGCTAAGTCTAGATATCAACAACTTCTGGTGAAG
 CTAGGCCGTGTAGTACACATAATTCAGTCAAGGGAACCATCACTTAAAACTCCAACCCCGATGAGATTG
 AGATTGACTTTGAGACCCTGAAGCCATCTACACTACGAGAGTTGGAGCGATATGTCACCTCCTGTTTGGC
 GAAGAAAAGGAAACCTCAAGCTGAAAAAGTTGAGGTGATTGCTGGTTCTTCCAAGATGAAGGGATTCTCA
 TCCTCTGAGTCGGAGAGCACCAGCGAATCCAGCTCCTCTGACAGTGAAGACTCTGAAACAGAGATGGCTC
 CCAAGTCAAAAAAGAAGGGGCACACTGGGAGGGACCAGAAAAAGCATCATCACCATCACCATCCACAGAT
 GCAGCCAGCCCCAGCTCCTGTGCCCCAGCAGCCGCCCCACCTCCACAGCAGCCTCCTCCACCCCACT
 CCGCAGCAGCAGCAGCAACCTCCACCCCAACCTCCGCCCTCCATGCCACAGCAGACTGCCCCAG
 CGATGAAGTCTCGCCCCACCCTTCACTGCCCAGGTCCCGTCTGGAACACAGCTGCCAGGCAG
 TGTCTTTGACCCTATTGGCCACTTACCAGCCCATCTTGACCTGCCGAGCCGGAGCTGCCTCCTCAC
 CTGCCCCAGCCACTGAGCAGCAGCACTCCACCCATCTCAACCAGCATGCTGTGGTCTCTCTCCAGCTT
 TGCACAATGCGCTGCCCAACAGCCATCTCGGCCAGTAACCGAGCTGCTGCTCTGCCCCAAAGCCTAC
 CCGACCCCAAGCTGTGTCCCTGCCCTGGCCAGCCCCCTGCTCCACAACCACCAATGGCTCAGCCC
 CCCAAGTGTGCTGGAGGATGAAGAGCCACTGCCCCACCCCTCACCTCCATGCAGATGCAGTTGTACC
 TACAGCAGCTGCAGAAGGTGCAGCCTCCACACCACTACTCCCTTCCGTGAAGGTGCAGTCCCAACCC
 ACCGCCTTTGCCGCTCCACCCACCCTTCTGTGACGAGCAGCAGCTCCAGCCACAGCCACCCGCCACCC
 CCACCTCCTCAGCCACAGCCACCACCCAGCAACAACACCAGCTCCACACGACCAGTTCACTTGGCAT
 CCATGCCCTTTTGTCTCATATTCAGCAGCCCCACCACCCAGGACAGCAACCTACTCACCCACCC
 AGGACAGCAGCCCCACCACACAGCTGCCAAGCCCCAGCAAGTCATCCAGCATCACCTTCCCCCGG
 CACCACAAGTCAGACCCCTACTCAGCTGTCATCTTCGTGAGGCTCCCTTCCGCTTATGATACATTCCC
 CTCAGATGCCACAGTTCAGAGCCTGACCCATCAGTCTCCTCCAGCAAAACGTCCAGCCTAAGAAGCA
 GGTAAAGGGCAGGGCTGAGCCACAGCCACCAGGGCCAGTCATGGGCCAAGGCCAGGGATGCCACCTGCC
 TCACCGGCTGCCGTGCCTATGCTGTCCAGGAGCTGCGACCACCTTCAAGTCGTCAGCCCCAGCCCTGG
 TGGTAGTAAAGGAGGAGAAGATTCACTCACCAATCATTGCGAGCGAGCCTTTCAGCACCTCACTTCGACC
 AGAGCCCCCAAGCACCAGAGAACATCAAGGCCAGTCCACCTGCCAGCGGCTGAGATGAAGCCT
 GTAGACATAGGGAGGCTGTGATCCGGCTCCAGAGCAGAGTGCACCCCAACAGGGGCCCTGACAAGG
 ACAAACAGAAGCAGGAGCCAAAAACACAGTGGCACCCAAAAAGGACCTGAAAATTAAGAACATGGGCTC
 CTGGGCCAGCCTGGTACAGAAGCATCCGACCACCCATCCTCCACAGCCAAGTCTCAAGTGACAGCTTT
 GAGCATTTCCGCGTGTGCTCGGGAGAAGGAGGAGGGAAAAGGCCCTGAAGGCTCAGGCTGAGCATG
 CAGAGAAGGAGAAGGAGCGGCTGAGGCAGGAGCGCATGAGGAGCCGAGAGGATGAAGATGCGCTGGAACA
 GGCACGTGAGCCATGAGGAGGCACGACGGCCAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG
 GAGCAG
 AGCCCCAGTCTATGCTGGACCAGCAGAGGGAGTTGGCCCGAAACGAGAGCAGGAGCGGAGGGCGCAGGGA
 GGCAATGGCAGCTACAATTGACATGAATTTCCAGAGTGATCTTTTGTCAATATTTGAAGAAAATCTTTT
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_020508

Insert Size:

4203 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_020508.4</u> , <u>NP_065254.3</u> |
| RefSeq Size: | 5948 bp |
| RefSeq ORF: | 4203 bp |
| Locus ID: | 57261 |
| UniProt ID: | <u>Q9ESU6</u> |
| Cytogenetics: | 17 17.39 cM |
| Gene Summary: | <p>This gene was temporarily named bromodomain-containing 5 (Brd5) and was renamed bromodomain-containing 4 (Brd4). [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) has two alternate splice sites, one in the 5' UTR and one in the 5' coding region, compared to variant 3. The resulting isoform (1) lacks an internal aa, compared to isoform 3.</p> |