

## Product datasheet for **MC229579**

### **Brd4 (NM\_001286630) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Brd4 (NM\_001286630) 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:** >MC229579 representing NM\_001286630  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCTACGGAGAGCGGCCCTGGGACAAGATTGAGAAATCTGCCAGTAATGGGGATGGACTAGAAACCT  
CCCAAATGTCTACAACGCAGGCCAGGCCAACCCAGCCAGCAAATGCAGCCAGCACCAATCCTCCACC  
CCCAGAGACCTCCAACCCTAACAGCCCAAGAGACAGACAAACCAACTGCAATATCTGCTCAGAGTGGT  
CTCAAGACACTATGGAACACCAGTTTGGCTGGCCTTTCCAGCAGCCCGTGGATGCCGTCAAGCTGAACC  
TCCTGATTACTATAAGATTATTAACACCCATGGATATGGGAACAATAAAGAAGCGCTTGGAAAAACA  
CTATTACTGGAATGCTCAGGAATGTATCCAGGACTTCAACTATGTTTACAAATGTTACATCTATAAC  
AAGCCTGGAGATGACATCGTCTTAATGGCAGAAGCTCTGGAGAAGCTCTTCTTGCAAAAATCAATGAAC  
TGCCTACAGAAGAACTGAGATCATGATAGTCCAGGCAAAGGAAGAGGACGAGGGAGGAAAGAACAGG  
TAGGGCAGCAAAGCCTGGTGTATCCACGGTACCAACACAACCTCAAGCATCAACTTCTCCGACAGCCAG  
ACGCCTCAGCAGAACCCTCCTCCACCTGTGCAGGCCACAACCTCACCCCTTCTGCTGTACCCCCAGACC  
TCATTGCCAGCCTCCTGTCATGACAATGGTGGCCCTCAGCCACTTCAGACTCCTTCACCGGTACCCCC  
CCAGCCACCACCCACCTGCTCCAGTTCCACAGCCTGTGCAGAGTACCCGCCCATATTGCGACCAAC  
CCCCAGCCTGTGAAGACAAGAAAGGGGTGAAGAGGAAAGCAGATACCACCACCCCTACCACCATCGACC  
CCATTCATGAGCCACCCTCACTGGCCCCAGAGCCCAAGACCGCCAAGCTGGGTCTCGGCGGGAGAGCAG  
CAGACCTGTGAAGCCTCCAAGAAGGATGTACCGGACTCACAGCAGCACCCAGGGCCAGAGAAGAGCAGC  
AAGATCTCTGAGCAGCTAAAGTGTGAGTGGCATCCTCAAGGAGATGTTTGCCAAGAAACATGCTGCCT  
ATGCTGGCCTTCTACAAGCCTGTGGATGTGGAGGCACTGGGTCTGCAGACTACTGTGACATCATCAA  
ACATCCCATGGACATGAGCACAATCAAGTCTAAACTAGAGTCCCAGAGTACAGAGATGCCAGGAATTT  
GGTGTGATGTCGATTGATGTTCTCCAACCTGCTACAAGTACAACCCCTGACCATGAAGTGGTAGCCA  
TGGCTCGAAAACCTCAGGATGTGTTGAAATGCGCTTTGCCAAGATGCCTGATGAGCCTGAAGAGCCAGT  
TGTTACAGTGTCTCTCCTGCAAGTGCACCCCTACAAAGGTGGTAGCCCCACCCCTCATCTAGTGACAGC  
AGCAGCGACAGTCTTCCGACAGCGACAGTTCCACTGACGACTCTGAGGAAGAGCGAGCCAGCGGCTGG



CTGAACTCCAGGAACAGCTCAAGGCCGTGCATGAGCAGCTTGCAGCCCTCTCACAGCCCCAGCAGAACA  
 ACCAAAGAAAAAGGAGAAGGACAAGAAGGAAAAAGAAAAAGCACAAAAAGAAAGAAGTGGAG  
 GAAATAAAAAAGCAAAACCAAGGAATTCCTCCAAAAAGACAAGAAAAATAACAGCAGCAACAGCA  
 ATGTGAGCAAGAAGGAACCAAGTACCCACGAAGACCAAGCCGCCTCCCACATATGAATCAGAAGAGGAGGA  
 TAAGTGTAAAGCCCATGTCTTATGAGGAGAAGCGGCAGCTAAGTCTAGATATCAACAACTTCTGGTGAG  
 AAGCTAGGCCGTGTAGTACATAATTCAGTCAAGGGAACCATCACTTAAAACTCCAACCCCGATGAGA  
 TTGAGATTGACTTTGAGACCCTGAAGCCATCTACACTACGAGAGTTGGAGCGATATGTCACCTCCTGTTT  
 GCGGAAGAAAAGGAAACCTCAAGCTGAAAAAGTTGACGTGATTGCTGGTCTTCCAAGATGAAGGATTC  
 TCATCCTCTGAGTCGGAGAGCACCAGCGAATCCAGCTCCTCTGACAGTGAAGACTCTGAAACAGAGATGG  
 CTCCCAAGTCAAAAAAGAAGGGGCACACTGGGAGGGACCAGAAAAAGCATCATCACCATCACCATCCACA  
 GATGCAGCCAGCCCAGCTCCTGTGCCAGCAGCCGCCACCTCCACAGCAGCCTCCTCCACCCCA  
 CCTCCGCAGCAGCAGCAGCAACCTCCACCCACCACCTCCGCCCTCCATGCCACAGCAGACTGCC  
 CAGCGATGAAGTCTCGCCCCACCTTCACTGCCAGGTCCCGTCTGGAACACAGCTGCCAGG  
 CAGTGTCTTTGACCCTATTGGCCACTTCAACCAGCCATCTTGACCTGCCGAGCCGGAGCTGCCTCT  
 CACCTGCCAGCCACTGAGCAGCAGCTCCACCCATCTCAACCAGCATGCTGTGGTCTCTCCTCCAG  
 CTTTGACAATGCGCTGCCCAACAGCCATCTCGGCCAGTAACCGAGCTGCTGCTGCCCAAGGCC  
 TACCCGACCCCGAGCTGTGTCCCTGCCCTGGCCAGCCCCCTGCTCCACAACCACCAATGGCTCAG  
 CCCCCAAGTGCTGCTGGAGGATGAAGAGCCACTGCCCAACCCTCACCTCCATGCAGATGCAGTTGT  
 ACCTACAGCAGCTGCAGAAGGTGCAGCCTCCCACACCCTACTCCCTCCGTGAAGGTGCAGTCCCAACC  
 CCCACCGCCTTTGCCCTCCACCCACCTTCTGTGCAGCAGCAGCAGCTCCAGCCACAGCCACCGCCA  
 CCCCCACTCCTCAGCCACAGCCACCACCCAGCAACAACACCAGCCTCCACCAGCAGGTTCACTTGC  
 CATCCATGCCCTTTTCTGCTCATATTAGCAGCCCCACCACCCAGGACAGCAACCTACTCACCACCC  
 CCCAGGACAGCAGCCCCACCACCCAGCCTGCCAAGCCCCAGCAAGTCATCCAGCATCACCTTCCCC  
 CGGACCAACAAGTCAGACCCTACTCAGCTGGTCATCTTGGTGAGGCTCCCTCTCGCTTATGATACATT  
 CCCCTCAGATGCCACAGTTCCAGAGCCTGACCCATCAGTCTCCTCCCCAGCAAAACGTCCAGCCTAAGAA  
 GCAGGTAAGGGCAGGGCTGAGCCACAGCCACCAGGGCCAGTCATGGGCAAGGCCAGGGATGCCACCT  
 GCCTACCGGCTGCCGTGCCTATGCTGTCCAGGAGCTGCGACCACCTTCAAGTCTCCAGCCCCAGCCCC  
 TGGTGGTGTAAAGGAGGAGAAGATTCACTACCAATCATTTCGAGCAGGCTTTTCAAGCCTCACTTGC  
 ACCAGAGCCCCCAAGCACCAGAGAATCAAGGCCAGTCCACCTGCCAGCGGCTGAGATGAAG  
 CCTGTAGACATAGGGAGGCTGTGATCCGGCTCCAGAGCAGAGTGCACCCACCAGGGGCCCCGACA  
 AGGACAAAACAGAAGCAGGAGCCAAAAACACCAGTGGCACCCAAAAAGGACCTGAAAATTAAGAACATGGG  
 CTCTGGGCCAGCCTGGTACAGAAGCATCCGACCACCCATCCTCCACAGCAAGTCTCAAGTGCAGC  
 TTTGAGCATTTCGCGTGTGCTCGGGAGAAGGAGGAGGAAAAGGCCCTGAAGGCTCAGGCTGAGC  
 ATGCAGAGAAGGAGAAGGAGCGGCTGAGGCAGGAGCGCATGAGGAGCCGAGAGGATGAAGATGCGTGG  
 ACAGGCACGTCGAGCCATGAGGAGGCACGACGGCGCCAGGAGCAGCAGCAGCAGCAGCAGCAGAGA  
 CAGGAGCAGCAGCAGCAGCAGCAGCAGGAGCTGCTGTGGCCGCTGCCTCTGCCCCAGGCCAGAGCT  
 CCCAGCCCCAGTCTATGCTGGACCAGCAGAGGGAGTTGGCCGGAACAGAGAGCAGGAGCGGAGGCGCAG  
 GGAGGCAATGGCAGCTACAATTGACATGAATTTCCAGAGTGATCTTTGTCAATATTTGAAGAAAATCTT  
 TTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001286630

**Insert Size:**

4206 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001286630.1</a></u> , <u><a href="#">NP_001273559.1</a></u>
<b>RefSeq Size:</b>	5995 bp
<b>RefSeq ORF:</b>	4206 bp
<b>Locus ID:</b>	57261
<b>Cytogenetics:</b>	17 17.39 cM
<b>Gene Summary:</b>	This gene was temporarily named bromodomain-containing 5 (Brd5) and was renamed bromodomain-containing 4 (Brd4). [provided by RefSeq, Jul 2008] Transcript Variant: This variant (3) encodes the longest isoform (3).