

Product datasheet for **MC221097**

Brd4 (NM_198094) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brd4 (NM_198094) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brd4
Synonyms:	Brd5; HUNK1; MCAP; WI-11513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221097 representing NM_198094
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTACGGAGAGCGGCCCTGGGACAAGATTGAGAAATCTGCCAGTAATGGGGATGGACTAGAAACCT
 CCCAAATGTCTACAACGCAGGCCAGGCCAACCCAGCCAGCAAATGCAGCCAGCACCATCTCCACC
 CCCAGAGACCTCCAACCCCTAACAAAGCCCAAGAGACAGACAAACCAACTGCAATATCTGCTCAGAGTGGTG
 CTCAAGACACTATGGAACACCAGTTTGCCTGGCCTTTCCAGCAGCCCGTGGATGCCGTCAGACTGAACC
 TCCCTGATTACTATAAGATTATTAACACCCATGGATATGGGAACAATAAAGAAGCGCTTGAAAAACA
 CTATTACTGGAATGCTCAGGAATGTATCCAGGACTTCAACTATGTTTACAAATGTTACATCTATAAC
 AAGCTGGAGATGACATCGTCTAATGGCAGAAGCTCTGGAGAAGCTCTTCTGCAAAAAATCAATGAAC
 TGCTACAGAAGAACTGAGATCATGATAGTCCAGGCAAAAGGAGAGGACGAGGGAGGAAAGAAACAGG
 GGCAGCAAAGCCTGGTGTATCCACGGTACCAACACAACCTCAAGCATCAACTTCTCCGACAGCCAGACG
 CCTCAGCAGAACCCTCTCCACCTGTGCAGGCCACAACCTACCCCTTTCTGCTGTACCCAGACCTCA
 TTGCCAGCCTCCTGTCATGACAATGGTGCCCCCTCAGCCACTTCAGACTCCTTACCCGGTACCCCCCA
 GCCACCACCCCACTGTCCAGTTCACAGCCTGTGCAGAGTCAACCCGCCATCATTGCGACCACCCCA
 CAGCCTGTGAAGACAAAGAAAGGGTGAAGAGGAAAGCAGATACCACCACCCCTACCACCATCGACCCCA
 TTCATGAGCCACCCTCACTGGCCCCAGAGCCCAAGACCGCAAGCTGGTCTCGGCGGGAGAGCAGCAG
 ACCTGTGAAGCCTCCAAGAAGGATGTACCGGACTCACAGCAGCACCAGGGCCAGAGAAGAGCAGCAAG
 ATCTCTGAGCAGCTAAAGTGTGCAGTGGCATCCTCAAGGAGATGTTTGCCAAGAAACATGCTGCCTATG
 CCTGGCCTTTCTACAAGCCTGTGGATGTGGAGGCACTGGTCTGCACGACTACTGTGACATCAAAACA
 TCCCATGGACATGAGCACAATCAAGTCTAAACTAGAGTCCCGAGAGTACAGAGATGCCAGGAATTTGGT
 GCTGATGTCGGATTGATGTTCTCAACTGCTACAAGTACAACCCCTGACCATGAAGTGGTAGCCATGG
 CTCGAAAACCTCCAGGATGTGTTTGAATGCGCTTTGCCAAGATGCCTGATGAGCCTGAAGAGCCAGTTGT
 TACAGTGTCTCTCCTGCAGTGCACCCCTACAAAGTGGTAGCCACCCCTCATCTAGTGACAGCAGC
 AGCGACAGTTCTCCGACAGCGACAGTTCCACTGACGACTCTGAGGAAGAGCGAGCCAGCGGCTGGCTG
 AACTCCAGGAACAGCTCAAGGCCGTGCATGAGCAGCTTGCAGCCCTCTCACAGCCCCAGCAGAACAAC
 AAAGAAAAGGAGAAGGACAAGAAGGAAAAGAAAAGGAAAAGCAGAAAAGAAAGAAAGTGGAGGAA
 AATAAAAAAGCAAAACCAAGGAACTTCTCCAAAAGCAAAAGAAAATAACAGCAGCAACAGCAATG
 TGAGCAAGAAGGAACCAAGTACCCACGAAGCAAGCCGCTCCACATATGAATCAGAAGAGGAGGATAA
 GTGTAAGCCCATGCTTATGAGGAGAAGCGGCAGCTAAGTCTAGATATCAACAAACTTCTGGTGAGAAG
 CTAGGCCGTGTAGTACACATAATTCAGTCAAGGGAACCATCACTTAAAACTCCAACCCCGATGAGATTG
 AGATTGACTTTGAGACCTGAAGCCATCTACACTACGAGAGTTGGAGCGATATGTCACCTCCTGTTTGC
 GAAGAAAAGGAAACCTCAAGCTGAAAAGTTGACGTGATTGCTGGTTCTTCCAAGATGAAGGATTCTCA
 TCCTCTGAGTCGGAGAGCACCAGCGAATCCAGCTCCTCTGACAGTGAAGACTCTGAAACAGGTCTGCCT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_198094

Insert Size: 2172 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:	<u>NM_198094.2</u> , <u>NP_932762.2</u>
RefSeq Size:	2731 bp
RefSeq ORF:	2172 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 (2) has two alternate splice sites, one in the 5' UTR and one in the 5' coding region, and also lacks several exons but includes an alternate 3' terminal exon, compared to variant 3. The resulting isoform (2) lacks an internal aa, and has a shorter and distinct C-terminus, compared to isoform 3.</p>