

Product datasheet for **MC219554**

Brd9 (NM_001024508) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brd9 (NM_001024508) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brd9
Synonyms:	AL022779
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219554 representing NM_001024508
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAAAAAGCACAAGAAGCACAAGGCGGAATGGCGCTCGTCCTACGAAGATTATACAGACACGCCAC
 TGGAGAAGCCTCTGAAGCTGGTGTCTCAAGGTGGGAGGAAGTGAAGTGACAGAGCTCTCAGGATCTGGCCA
 CGACTCCAGTACTACGACGATCGCTCAGACCACGAACGGGAGAGACACAGAGAAAAGAAGAAAAAGAA
 AAGAAAAAGTCAGAGAAGGAGAAGCACCTCGATGAGGAGGAGAGGAAAGCGGAAGGAAGAGAAGAAAC
 GGAAACGGGAGAAGAACTGCGACTCAGAGGGGGAGGCTGATGCTTTCGACCTGGAAAGAAGGTGGA
 GGTGGAGCCACCCAGACCCAGTGAAGCCTGCCGAACACAGCCAGCTGAGAACGAGAGCACACCT
 ATCCAGAGGCTTCTGGAACACTTCTCCGCCAGTACAGAGAAAAGATCCTCATGGATTTTTGCTTTTC
 CTGTTACGGATGCAATTGCTCCTGGGTATTCAATGATAATAAAACATCCTATGGACTTTGGCAGCATGAA
 AGACAAGATTGTAGCTAATGAATATAAATCAGTCACAGAATTTAAGGCAGATTTCAAATTAATGTGTGAT
 AATGCGATGACGTACAATAGACCAGACCCGTGTACTACAAATTAGCCAAGAAGATCCTGCACGCGGGCT
 TTAAGATGATGAGCAAACAGGCAGCTCTCTTGGGCAAGTGAAGACCCAGCAGCTGAGGAACCTGTTCCCGA
 GGTTGTCCAGTGAAGTGAAGTACCAAGAAATCCAAAAGCCGAGTAGAGAAGTTATCAGCTGCATG
 TTTGAGCCTGAAGGGAATGCCTGCAGCCTGACAGACAGCACGGCAGAGGAGCATGTGCTAGCCCTGGTAG
 AGCACGCAGCTGATGAGGCTCGGGACAGGATTAACCGGTTTCTCCCGGTGGCAAGATGGGGTACCTGAA
 GAAGCTTGAGATGGAAGTCTGCTCTACAGCGTGGTGAACGCACCTGAGCCTGATGCTGATGAGGAGGAG
 ACACACCCTGTGGACCTGAGTTCAGTGTCTAGCAAGTTGCTCCAGGTTTTACAACATTTGGGTTTCAAAG
 ATGAAAGAAGAAAATAAAGTCACATTCTCTCCAGTCCAGCAGCACTTCAATGCAGAACAACTCTGT
 GTTTGGGACCTGAAGTCAGATGAGATGGAGCTTCTGTATTCCGCCTATGGAGATGAGACTGGTGTGCAG
 TGTGCACTGAGCCTGCAGGAATTCGTGAAGGATGCTGGAAGCTATAGCAAGAAGTGGTAGATGACCTCC
 TGGACCAATCACAGGTGGTGTCACTCAAGGATGATCTTCCAGCTGAAGCAGAGGAGGAGCATCCCAT
 GAGACCTGCAGATGAGATGAAGTTGGGGATCCACTGGGAGAGAGTGGTGGCCCTGTTCTGGACTTCATG
 TCAATGAAACAGTATCCTGATGTCTCCCTGGATGTGTCCATGCTCAGCTCTCTCGGAAAGTAAAGAAGG
 AGCTGGACCATGAAGATAGCCACTTGAAGTGGATGAGACAGCCAGGCTCCTGCAGGACTTACACGAAGC
 ACAAGCAGAGCGAGGAGGCTCTCGGCCATCCTCAACCTTAGCTCTGTCCACTGCCTCTGAGAGGGAG
 CATCTCTCCAGGAAGTCTTCTCGCCTTAGTGTGGGGAGCAGCCGGATGTCGCCACGACCCTATG
 AATTCCTTCAGTCTCCAGAACCTGCAGCTCCTGCCAAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001024508

Insert Size: 1794 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:

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: [NM_001024508.3](#), [NP_001019679.2](#)

RefSeq Size: 2448 bp

RefSeq ORF: 1794 bp

Locus ID: 105246

UniProt ID: [Q3UQU0](#)

Cytogenetics: 13 C1

Gene Summary: Plays a role in chromatin remodeling and regulation of transcription. Acts as a chromatin reader that recognizes and binds acylated histones: binds histones that are acetylated and/or butyrylated. Component of SWI/SNF chromatin remodeling subcomplex GBAF that carries out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).