

Product datasheet for **MC201594**

Brd8 (NM_030147) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brd8 (NM_030147) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brd8
Synonyms:	2610007E11Rik; 4432404P07Rik; SMAP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC025644 sequence for NM_030147
CCACGCGTCCGCCACGCGTCCGCCACGCGTCCGCCACGCGTCCGCCAAGATGGCGACCGGGACAGGC
AAGCACAAGCTGCTGAGTACTGGCCCAACAGAGCCATGGTCCATCCGAGAGAAGTTGTGTTTAGCATCTT
CTGTATGAGGAGTGGGGATCAGAACTGGGTATCAGTTAGCAGAGCAATCAAGCCCTTTCGAGAACCTGG
CCGGCCTCCAGACTGGTTCTCTCAAAAACATTGTGCTTCTCAGTATTCTGAGCTCTTAGAGACTACTGAG
ACTCAAAAACGGAAACGGGGTAAAAAGGAGAAGTGGTAGAACTGTTGAAGATGTTATTGTTCCGAAAC
TGACTGCTGAGAGAGTTGAAGAAGTGAAGAAAGTATAAAGGAGACACAGGAGAGATACAGGCGCTGAA
AAGAGATGCAGAATAATCCAAGCCGGGCACATGGACAGCAGACTGGATGAGCTCTGCAATGACATTGCA
ATGAAAAAGAAATTGGAAGAGGAAGAGGCTGAAGTAAAAAGGAAGGCCACCGATGCTGCGTACCAGGCGC
GACAAGCAGTAAAAAGCCTCCTCGAAGGTTACCGACTGTGATGGTCCGCTCTCCTGTAGACTCTGCCTC
CCCAGGAGGTGATTACCCACTTGGAGACTTACTCCAACCACTATGGAAGAGGCTACCTCTGGGGTAACC
CCTGGGACTTTGCCGAGTACCCAGTACCTCGTTTCTGGGATTCTGACACCTTCTCCAGGCTCTG
CACCTTAGAAGCCCCATGACCCCAATAACAGATGATTACCCAGAAAAAGATGCTTGGACAGAAAGC
AACTCCACCCCCCTCCCCTCTGCTGTGAGACTCTTGAAGAAGGGCAGCCTCTGCCTACTAGCCCCAGA
CTGGTGAATGAGAGTGAATGCCTGTACCCCTGGCCATCTGAACAGCACAGGGGTTCTCTTGGAGGTAG
GAGGGGTTCTTCCATGATACATGGTGGGAGATACAGCCAACAACCAAGTCTGTGGCGGCTCCCCGGC
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CTACCATTTGTCATGATGCCCGCGCTGCCAGCACCATCCTCTGCTGCGGCTGTCTCCACTTCTGAAAGTGG
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GAGTCAAGACTCAGATGAAGAACCTAGAAGTCTGCAGCTGGAGACATTGGTGGAGCAGATGGTTCAGT
GGGAAAGGCGATGAGAGGCCACTTTCAGCTGTGAAGACAGAGGCATCCCCTGAGAGCATGTTGTCTCCAT
CACATGGCTCAAATCTTATTGAAGATCCTTTAGAGGCAGAGACTCAACACAAGTTTGAATGTCAGACTC
ATTGAAAGAAGAATCAGGGACTATTTTTGGAAGCCAGATAAAGGATGCCCCAGGTGACGATGAGGAAGAA
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AGATGGATAATGAGCCCCCTGTGAGTGAGAGTGATGATGGCTTTAGTATACATAACGCCACACTGCAGTC
ACACACTCTGGCAGACTCCATCCAAGCAGCCCTGCCTCCTCCAGTTTTCCGTGTGAGTGAAGATCAA
GAAGCAATTCAGGCTCAGAAAATATGGAAGAAAGCCATCATGCTGTATGGAGGGCTGCAGCAAATCATA
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GCCTATGGATTTGTCAACTATAAAGAAAAACATTGAAAATGGACTGATCCGAAGCACAGCTGAGTTTCAG
CGTGACATCATGCTGATGTTTCAGAATGCTGTTATGTACAATAGCTCAGACCATGATGCTATCACATGG
CAGTAGAGATGCAGAGAGATGTCTTGAACAGATCCAGCAATTCTTGGCCACACAGTTGATTATGCAAAC
ATCTGAGTCTGGAATCAGTGCTAAAAGTCTCCGGGGAGAGACTCTACCCGAAAAAAGATGCTTCAGAG
AAGGACAGTGTCCCCATGGGCTCTCCTGCCTTCTCTCTCTCTCTTTGATGGGGAAACCAGGGGACGCC
GCTGTGCCATTGAAGCAGATATGAAGATGAAGAAGTGAATGCCCTCTTTGAGCTGAGCCTGAAAATAGAAA
TAAGCAAGATACTTTAGCTTGGGCTTGTGGGCTCAGTTCCACACTTGATCTTAGTCAAAGGCTGAGAAG
CAGGGAGTCCAGAAGTGAATTACAGAAGAGGAGGTGCCTGGGCCAAATGACATGAGTTGAGAAAATCTC
TTTTCAGAGAGTTGGAGTAGCACAGATGCCTGTTTTAGGGCAGAAATCATGGGCTCTGTTAATGCCCTAA
TGTGTAAGTAGCAGATTGTAGCTAATTTGACTGTCTTGTGAAGTGTACAGATTTTTTAAATAATAATAA
TAATAAACCTGTGAAGTGTGATATATAACAATCAGAAGGAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:

NM_030147

Insert Size:	2763 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	BC025644 , AAH25644
RefSeq Size:	3277 bp
RefSeq ORF:	2763 bp
Locus ID:	78656
UniProt ID:	Q8R3B7
Cytogenetics:	18 B1

Gene Summary:

May act as a coactivator during transcriptional activation by hormone-activated nuclear receptors (NR). Stimulates transcriptional activation by AR/DHTR, ESR1/NR3A1, RXRA/NR2B1 and THRB/ERBA2. Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AFZ from the nucleosome.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript.