

Product datasheet for **SC115318**

BRD7 (NM_013263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD7 (NM_013263) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRD7
Synonyms:	BP75; CELTIX1; NAG4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_013263, the custom clone sequence may differ by one or more nucleotides

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ATGGGCAAGAAGCACAAGAAGCACAAGTCGGACAAACACCTCTACGAGGAGTATGTAGAGAAGCCCTTGA
AGCTGGTCTCAAAGTAGGAGGGAACGAAGTCACCGAAGCTCTCCACGGGCAGCTCGGGGCAGACTCCAG
CCTCTTCGAAGACAAAAACGATCATGACAAACACAAGGACAGAAAGCGGAAAAAGAGAAAGAAAGGAGAG
AAGCAGATTCCAGGGGAAGAAAAGGGGAGAAAACGGAGAAGAGTTAAGGAGGATAAAAAGAAGCGAGATC
GAGACCGGGTGGAGAATGAGGCAGAAAAAGATCTCCAGTGTACGCCCTGTGAGATTAGACTTGCTCCTC
TGAGAAGCCTCTCACAAGCTCTTTAGCCAAACAAGAAGAAGTAGAACAGACACCCCTTCAAGAAGCTTTG
AATCAACTGATGAGACAATTGCAGAGAAAAGATCCAAGTCTTTCTTTTCATTTCTGTGACTGATTTTA
TTGCTCCTGGCTACTCCATGATCATTAAACACCCAATGGATTTTGTAGTACCATGAAAGAAAAGATCAAGAA
CAATGACTATCAGTCCATAGAAGAACTAAAGGATAACTTCAAATAATGTGTACTAATGCCATGATTTAC
AATAAACCCAGAGACCATTTATTATAAGCTGCAAAGAAGCTGTTGCACTCAGGAATGAAAATTTAGCC
AGGAAAGAATTCAGAGCCTGAAGCAGAGCATAGACTTCATGGCTGACTTGCAGAAAACCGAAAGCAGAA
AGATGGAACAGACACCTCACAGAGTGGGGAGGACGGAGGCTGCTGGCAGAGAGAGAGAGAGGACTCTGGA
GATGCCGAAGCACACGCCTTCAAGAGTCCCAGCAAAGAAAATAAAAAGAAAGACAAAAGATATGCTTGAAG
ATAAGTTTAAAAGCAATAATTTAGAGAGAGAGCAGGAGCAGCTTGACCGCATCGTGAAGGAATCTGGAGG
AAAGCTGACCAGGCGGCTTGTGAACAGTCAGTGCGAATTTGAAAGAAGAAAACCAGATGGAACAACGACG
TTGGGACTTCTCCATCCTGTGGATCCCATTGTAGGAGAGCCAGGCTACTGCCCTGTGAGACTGGGAATGA
CAACTGGAAGACTTCAGTCTGGAGTGAATACTTTGAGGGGTTCAAAGAGGATAAAAAGGAACAAAGTAC
TCCAGTGTATATTTGAATTATGGGCCCTACAGTTCCTTATGCACCGCATTATGACTCCACATTTGCAAT
ATCAGCAAGGATGATTCTGATTTAATCTATTCAACCTATGGGGAAGACTCTGATCTTCAAGTGATTTCA
GCATCCATGAGTTTTTGGCCACGTGCCAAGATTATCCGTATGTCATGGCAGATAGTTTTACTGGATGTTTT
AACAAAAGGAGGGCATTCCAGGACCTACAAGAGATGGAGATGTCATTGCCTGAAGATGAAGGCCATACT
AGGACACTTGACACAGCAAAAAGAAATGGAGATTACAGAAGTAGAGCCACCAGGGCGTTTGGACTCCAGTA
CTCAAGACAGGCTCATAGCGCTGAAAGCAGTAACAAATTTGGCGTTCCAGTTGAAGTTTTTGACTCTGA
AGAAGCTGAAATATCCAGAAGAACTTGATGAGACCACCAGATTGCTCAGGGAAGTCCAGGAAGCCAG
AATGAACGTTTGGACACCAGACCCCTCCGAACATGATCTGTCTTGGTCCCTACACAGAGAAATGC
ATCTTGCTGAACAAGTGACCAATAATCTTAAAGAACTTGCACAGCAAGTAACTCCAGGTGATATCGTAAG
CACGTATGGAGTTCGAAAAGCAATGGGGATTTCCATTCTTCCCGTCAATGGAAAACAACCTTTGTGGAT
TTGACAGAAGACTGAAGAACCTAAAAGACGGATGTTGCTGAGTGTGGACCTGTTGGAAGTTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013263 unedited

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TTCAACAATTAGTATACGACTCATATAGGCGGCCGAAATTCGCACGAGCCTCGTGCC
CGAATTCGGCACGAGGTGGACATGGGCAAGAAGCACAAGAAGCACAAGTCGGACAACA
CCTCTACGAGGAGTATGTAGAGAAGCCCTTGAAGCTGGTCTCAAAGTAGGAGGGAACGA
AGTCACCGAACTCTCCACGGGCAGCTCGGGGCAGACTCCAGCCTCTTGAAGACAAAA
CGATCATGACAAACACAAGGACAGAAAGCGGAAAAAGAGAAAAGAGAGAGAAGCAGAT
TCCAGGGGAAGAAAAGGGGAGAAAACGGAGAAGAGTTAAGGAGGATAAAAAGAAGCGAGA
TCGAGACCGGGTGGAGAATGAGGCAGAAAAAGATCTCCAGTGTACGCCCTGTGAGATT
AGACTTGCTCCTGAGAAGCCTCTCACAAGCTCTTTAGCCAAACAAGAAGTAGAACA
GACACCCCTTCAAGAAGCTTTGAATCAACTGATGAGACAATTGCAGAGAAAAGATCCAAG
TGCTTTCTTTTCTTTCTGTGACTGATTNTATTGCTCCTGGCTACTCCATGATCATTAA
ACACCCAATGGATNTTAGTACCATGAAAGAAAAGATCAAGAACAATGACTATCAGTTCAT
AGAAGAATAAAGGATAACTTCAAATAATGTGTACTAATGCCATGATTTACAATAAACC
AGAGACCATTTATTATAAAGCTGCAAAGAAGCTGTTGCACTCAGGAATGAAAATCTTAG
CCAGGAAAGAAATTCAGAGCCTGAAGCAGAGCATAGACTTCATGGCTGACTTGCAGAAAC
TCGAAAGCAGAAAGATGGAACAGACACCTCACANNAGTGGGAGGACNCGGAGCTGCTGGCA
NANAGAGAGAGAGACTCTGGAATGCTGAGCACACGCCTTCAGAGTCCCAGCAAGAAAATA
AAAGAAAGACAAGATATGCTG
    
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3' Read Nucleotide Sequence:	>OriGene 3' genomic read for NM_013263 unedited ATTCTATGNACCGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTGCATGCAAGT AACTAGGGTTTATTCTATATAATGAATATTTATAGATCTGTAACATTTGTTTCAAATGC TGTTTCATTTTTATAAAGTACCAGTGTTTAGCTGCTTTTTATACATTAATTAGCAATTT GAAAACTCAAATATCTGAAGGTATTTATTTTCGTGGTCCTCATGAACACTAGAGAT TAAAAGTAGACTCAAACAACCTGAAAATTTGACTCTTTTAGCATAAGATTTTAAGTCTTT TGAGGGAATTAATTTTCCTTTACCCTATTTGTTCTTCTAAATACTAATTAATTTCAA GTCAGGAAAATAATAGAAATCAAATGGCTTCTGCCTGGGTGATTATAGAAGGATTGTA TAAGGGCCTTCAAACCTAATTTGTTCACTGAACAAGGCTATCTATCTATCTATCTCCATC CTGATTTTTTTCCCTTGTTGATAACAGGTTCTATACCGATTACAGCAAATCACCATTAT CTCAGCTTGCTGATAAAAGGGGCCATGAATCTTGTTGCTCCTACTTAGAGTTCAAAC CTTGGGTAAGTACTGACCTTTGATTTTCAGATAAACAGTNAGTAAAGTAGAAATGTCACCTTT TGGAATCTGGTATTTCTGATCTATCAAGGATGACCTAGTTAATCTATTTGGCTTATT ACTTTGGCATAGTACTAAATAACCTCCTTTTTCTTTAAAAACGGAAAAACCAAAAAGAA CACTAGCCATGTGACAGGGCTTTAAAATCCCATGTGCTTTTGCAGGGGGGGGGGAAG GGCCTAATACCCTTACAAGGGATATTCCCCGGGTTTCCAGGCCAACCCCTAGGTAATT TTAAAATTTCCAGGTGTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_013263
Insert Size:	3200 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_013263.2</u> , <u>NP_037395.2</u>
RefSeq Size:	2204 bp
RefSeq ORF:	1956 bp
Locus ID:	29117
UniProt ID:	<u>Q9NPI1</u>
Cytogenetics:	16q12.1
Domains:	BROMO

Gene Summary:

This gene encodes a protein which is a member of the bromodomain-containing protein family. The product of this gene has been identified as a component of one form of the SWI/SNF chromatin remodeling complex, and as a protein which interacts with p53 and is required for p53-dependent oncogene-induced senescence which prevents tumor growth. Pseudogenes have been described on chromosomes 2, 3, 6, 13 and 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (2) lacks one internal residue, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.