

Product datasheet for **SC329033**

BRD7 (NM_001173984) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD7 (NM_001173984) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRD7
Synonyms:	BP75; CELTIX1; NAG4
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001173984 edited
 ATGGGCAAGAAGCACAAGAAGCACAAGTCGGACAAACACCTCTACGAGGAGTATGTAGAG
 AAGCCCTTGAAGCTGGTCTCAAAGTAGGAGGGAAACGAAGTCACCGAACTCTCCACGGGC
 AGCTCGGGGCACGACTCCAGCCTCTTGAAGACAAAACGATCATGACAAACACAAGGAC
 AGAAAGCGGAAAAAGAGAAAGAAAGGAGAGAAGCAGATTCAGGGGAAGAAAAGGGGAGA
 AAACGGAGAAGAGTTAAGGAGGATAAAAAGAAGCGAGATCGAGACCGGGTGGAGAATGAG
 GCAGAAAAAGATCTCCAGTGTACGCCCTGTGAGATTAGACTTGCCTCCTGAGAAGCT
 CTCACAAGCTCTTTAGCCAAACAAGAAGAAGTAGAACAGACACCCCTTCAAGAAGCTTTG
 AATCAACTGATGAGACAATTGCAGAGAAAAGATCCAAGTCTTTCTTTTCATTTCTGTG
 ACTGATTTTATTGCTCCTGGCTACTCCATGATCATTAAACACCCAATGGATTTTAGTACC
 ATGAAAGAAAAGATCAAGAACAATGACTATCAGTCCATAGAAGAACTAAAGGATAACTTC
 AAATAATGTGTACTAATGCCATGATTTACAATAAACAGAGACCATTTATTATAAAGCT
 GCAAAGAAGCTGTTGCACTCAGGAATGAAAATTCTTAGCCAGGAAAGAATTCAGAGCCTG
 AAGCAGAGCATAGACTTCATGGCTGACTTGCAGAAAACCGAAAGCAGAAAGATGGAACA
 GACACCTCACAGAGTGGGGAGGACGGAGGCTGCTGGCAGAGAGAGAGAGGACTCTGGA
 GATGCCGAAGCACACGCCTTCAAGAGTCCAGCAAGAAAATAAAAAGAAAGACAAGAT
 ATGCTTGAAGATAAGTTTAAAAGCAATAATTTAGAGAGAGAGCAGGAGCAGCTTGACCGC
 ATCGTGAAGGAATCTGGAGGAAAGCTGACCAGGCGGCTTGTGAACAGTCAGTGGCAATTT
 GAAAGAAGAAAACCAGATGGAACAACGACGTTGGGACTTCTCCATCCTGTGGATCCCATT
 GTAGGAGAGCCAGGCTACTGCCCTGTGAGACTGGGAATGACAACCTGGAAGACTTCAGTCT
 GGAGTGAATACTTTGAGGGGTTCAAAGAGGATAAAAAGGAACAAAGTCACTCCAGTGTTA
 TATTTGAATTATGGGCCCTACAGTCTTATGCACCGCATTATGACTCCACATTTGCAAT
 ATCAGCAAGGATGATTTGATTTAATCTATTCAACCTATGGGGAAGACTCTGATCTTCCA
 AGTGATTTTCAGCATCCATGAGTTTTTGGCCACGTGCCAAGATTATCCGTATGTCATGGCA
 GATAGTTTACTGGATGTTTTAACAAAAGGAGGGCATTCCAGGACCCTACAAGAGATGGAG
 ATGTCATTGCCTGAAGATGAAGGCCATACTAGGACACTTGACACAGCAAAAAGAAATGGAG
 CAGATTACAGAAGTAGAGCCACCAGGGCGTTTGGACTCCAGTACTCAAGACAGGCTCATA
 GCGCTGAAAGCAGTAACAAATTTTGGCGTTCCAGTTGAAGTTTTTACTGTAAGAAGCT
 GAAATATTCCAGAAGAACTTGATGAGACCACCAGATTGCTCAGGGAACCTCAGGAAGCC
 CAGAATGAACGTTTGGACACCAGACCCCTCCGAACATGATCTGTCTCTTGGGTCCCTCA
 TACAGAGAAATGCATCTTGTGAACAAGTGACCAATAATCTTAAAGAACTTGACAGCAA
 GTAACCTCAGGTGATATCGTAAGCACGTATGGAGTTCGAAAAGCAATGGGGATTTCCATT
 CCTTCCCCGTCATGGAAAACAACCTTTGTGGATTTGACAGAAGCACTGAAGAACCTAAA
 AAGACGGATGTTGCTGAGTGTGGACCTGGTGAAGTTGA

- Restriction Sites:** Please inquire
- ACCN:** NM_001173984
- Insert Size:** 2000 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001173984.1](#), [NP_001167455.1](#)

RefSeq Size: 2230 bp

RefSeq ORF: 1959 bp

Locus ID: 29117

UniProt ID: [Q9NPI1](#)

Cytogenetics: 16q12.1

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 (1) represents the longer transcript and encodes the longer 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.