

Product datasheet for **RG208734**

BRD7 (NM_013263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD7 (NM_013263) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRD7
Synonyms:	BP75; CELTIX1; NAG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208734 representing NM_013263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAAGAAGCACAAGAAGCACAAGTCGGACAAACACCTCTACGAGGAGTATGTAGAGAAGCCCTTGA
 AGCTGGTCTCAAAGTAGGAGGGAAACGAAGTCACCGAACTCTCCACGGGCAGCTCGGGGCACGACTCCAG
 CCTCTTCGAAGACAAAAACGATCATGACAAACACAAGGACAGAAAAGCGGAAAAAGAGAAAAGAGGAGAG
 AAGCAGATTCCAGGGGAAGAAAAGGGGAGAAAACGGAGAAGAGTTAAGGAGGATAAAAAGAAAGCGAGATC
 GAGACCGGTGGAGAATGAGGCAGAAAAGATCTCCAGTGTACGCCCCGTGTGAGATTAGACTTGCCCTCC
 TGAGAAGCCTCTCACAAGCTCTTAGCCAAACAAGAAGAAGTAGAACAGACACCCCTTCAAGAAGCTTTG
 AATCAACTGATGAGACAATTGCAGAGAAAAGATCCAAGTGCTTTCTTTTCATTTCTGTGACTGATTTTA
 TTGCTCCTGGCTACTCCATGATCATTAAACACCCAATGGATTTTAGTACCATGAAAGAAAAGATCAAGAA
 CAATGACTATCAGTCCATAGAAGAACTAAAGGATAACTTCAAACATATGTGTACTAATGCCATGATTTAC
 AATAAACCAAGAGACCATTATTATAAAGCTGCAAAGAAGCTGTTGCACTCAGGAATGAAAATTTTAGCC
 AGGAAAAGAAATTCAGAGCCTGAAGCAGAGCATAGACTTCATGGCTGACTTGCGAAAACTCGAAAAGCAGAA
 AGATGGAACAGACACCTCACAGAGTGGGGAGGACGGAGGCTGCTGGCAGAGAGAGAGAGGAGACTCTGGA
 GATGCCGAAGCACACGCCTTCAAGAGTCCCAGCAAAGAAAATAAAAAGAAAAGACAAAAGATATGCTTGAAG
 ATAAGTTTAAAAGCAATAATTTAGAGAGAGAGCAGGAGCAGCTTGACCGCATCGTGAAGGAATCTGGAGG
 AAAGCTGACCAGGCGGCTTGTGAACAGTCAGTGCGAATTTGAAAGAAGAAAACAGATGGAACAACGACG
 TTGGGACTTCCATCCTGTGGATCCCATTGTAGGAGAGCCAGGCTACTGCCCTGTGAGACTGGGAATGA
 CAACTGGAAGACTTCAGTCTGGAGTGAATACTTTGCAGGGGTTCAAAGAGGATAAAAAGGAACAAAAGTCAC
 TCCAGTGTATATTTGAATTATGGGCCCTACAGTTCTTATGCACCGCATTATGACTCCACATTTGCAAAT
 ATCAGCAAGGATGATTCTGATTTAATCTATTCAACCTATGGGAAAGACTCTGATCTTCCAAGTATTTCA
 GCATCCATGAGTTTTTGGCCACGTGCCAAGATTATCCGTATGTCATGGCAGATAGTTTACTGGATTTTT
 AACAAAAGGAGGGCATTCCAGGACCTACAAGAGATGGAGATGTCATTGCCTGAAGATGAAGGCCATACT
 AGGACACTTGACACAGCAAAAGAAATGGAGATTACAGAAGTAGAGCCACCAGGGCGTTTGGACTCCAGTA
 CTCAAGACAGGCTCATAGCGCTGAAAGCAGTAACAAATTTGGCGTTCAGTTGAAGTTTTTACTCTGA
 AGAAGCTGAAATATCCAGAAGAACTTGATGAGACCACCAGATTGCTCAGGGAACCTCAGGAAGCCAG
 AATGAACGTTTGGACACCAGACCCCTCCGAACATGATCTGTCTCTTGGTCCCTCATACAGAGAAATGC
 ATCTTGCTGAACAAGTGACCAATAATCTTAAAGAACTTGACAGCAAGTAACTCCAGGTGATATCGTAA
 CACGTATGGAGTTCGAAAAGCAATGGGGATTTCCATTCCTTCCCCGTCATGAAAAACAACCTTTGTGGAT
 TTGACAGAAGACTGAAGAACCTAAAAAGACGGATGTTGCTGAGTGTGGACCTGGTGGAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208734 representing NM_013263
 Red=Cloning site Green=Tags(s)

MGKHKHKHKS DKHL YEEYVEKPLKLV LKVGNEVTE LSTGSSGHDSSLFEDKNDHDKHKDRKRKRKKG
 KQIPGEEKGRKRRRVKEDKKRDRDRVENEAEKDLQCHAPVRLDLPPEKPLTSSLAKQEEVEQTPLQEAL
 NQLMRQLQRKDPSAFFSFPVTDIAPGYSMIKHPMDFSTMKEKIKNNDYQSIEELKDNFKLMCTNAMIY
 NKPETIYYKAAKLLHSGMKILSQERIQSLKQSIDFMADLQKTRKQKDGTDTSQSGEDGGCWQRE REDSG
 DAEAHAFKSPSKENKKDKDML EDKFKSNL EREQEQLDRIVKESGGKLRRLVNSQCEFERRKPDGTTT
 LGLLHPVDPIVGEPPGYCPVRLGMTTGR LQSGVNTLQGFKEDKRNKVTPVLYLNYGPYSSYAPHYDSTFAN
 ISKDDSDLIYSTYGEDSLPSDFSIHEFLATCQDYPYVMADSLLDVLTGKGHSRTLQEMEMSLPEDEGHT
 RTLDTAKEMEITEVEPPGR LDSSTQDR LIALKAVTNFGVPVEVFDSEAEIFQKKLDETTRLLRELQEAQ
 NERLSTRPPPMICLLGPSYREMH LAEQVTNNL KELAQQVTPGDIVSTYGVKAMGISIPSPVMENNFVD
 LTEDTEEPKKT DVAECGP GGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_013263

ORF Size: 1953 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_013263.5](#)

RefSeq Size: 2204 bp

RefSeq ORF: 1956 bp

Locus ID: 29117

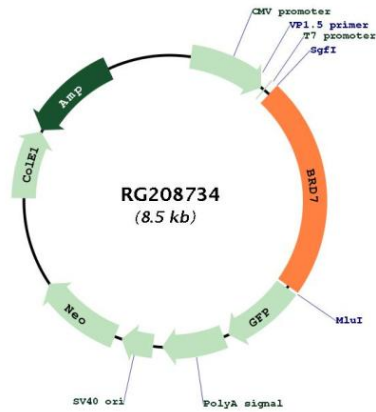
UniProt ID: [Q9NPI1](#)

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]

Product images:



Circular map for RG208734