

Product datasheet for **RC208734**

BRD7 (NM_013263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD7 (NM_013263) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRD7
Synonyms:	BP75; CELTIX1; NAG4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC208734 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence: >RC208734 protein sequence
 Red=Cloning site Green=Tags(s)

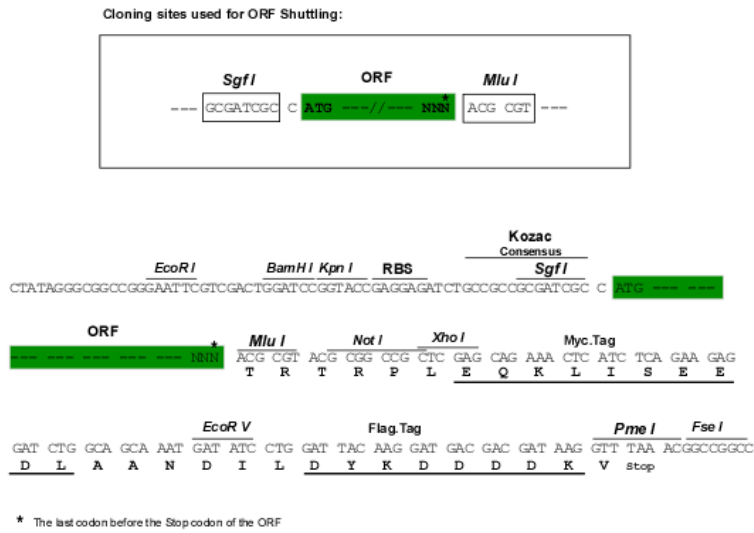
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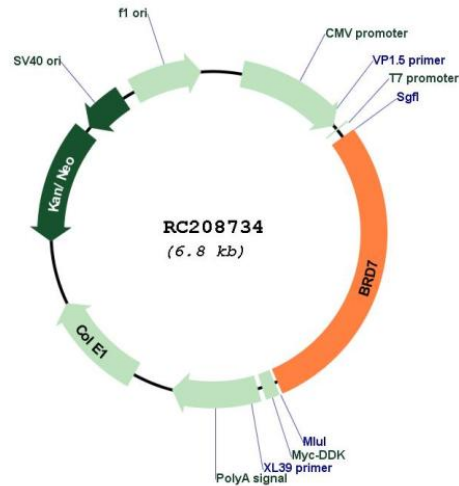
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Chromatograms: https://cdn.origene.com/chromatograms/mk6224_f06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:


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: 2327 bp

RefSeq ORF: 1956 bp

Locus ID: 29117

UniProt ID: [Q9NPI1](#)

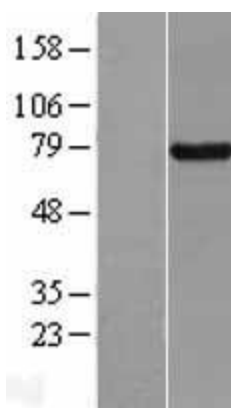
Cytogenetics: 16q12.1

Domains: BROMO

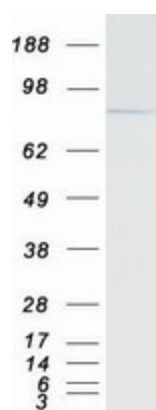
MW: 74.1 kDa

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:



Western blot validation of overexpression lysate (Cat# [LY415698]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208734 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BRD7 protein (Cat# [TP308734]). The protein was produced from HEK293T cells transfected with BRD7 cDNA clone (Cat# RC208734) using MegaTran 2.0 (Cat# [TT210002]).