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Product datasheet for RC217616

BRD3 (NM_007371) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD3 (NM_007371) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRD3
Synonyms:	ORFX; RING3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC217616 representing NM_007371
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCACCGCCACGACAGTCGCCCCCGCGGGGATCCCGGCGACCCCGGGCCCTGTGAACCCACCCCCCC
CGGAGGTCTCCAACCCCAGCAAGCCCGGCCGCAAGACCAACCAGCTGCAGTACATGCAGAATGTGGTGGT
GAAGACGCTCTGGAAACACCAGTTCGCCTGGCCCTTCTACCAGCCCGTGGACGCAATCAAATTGAACCTG
CCGGATTATCATAAAATAATTAAAAACCCAATGGATATGGGGACTATTAAGAAGAGACTAGAAAATAATT
ATTATTGGAGTGCAAGCGAATGTATGCAGGACTTCAACACCATGTTTACAAATTGTTACATTTATAACAA
GCCCACAGATGACATAGTGCTAATGGCCCAAGCTTTAGAGAAAATTTTTCTACAAAAAGTGGCCCAGATG
CCCCAAGAGGAAGTTGAATTATTACCCCCTGCTCCAAAGGGCAAAGGTCGGAAGCCGGCTGCGGGAGCCC
AGAGCGCAGGTACACAGCAAGTGGCGGCCGTGTCCTCTGTCTCCCCAGCGACCCCCTTTCAGAGCGTGCC
CCCCACCGTCTCCCAGACGCCCGTCATCGCTGCCACCCCTGTACCAACCATCACTGCAAACGTCACGTCG
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CGCCTGTCGTCAAGAAAAAGGGCGTGAAGCGGAAAGCAGACACAACCACTCCCACGACGTCGGCCATCAC
TGCCAGCCGGAGTGAGTCGCCCCCGCCGTTGTCAGACCCCAAGCAGGCCAAAGTGGTGGCCCGGCGGGAG
AGTGGTGGCCGCCCCATCAAGCCTCCCAAGAAGGACCTGGAGGACGGCGAGGTGCCCCAGCACGCAGGCA
AGAAGGGCAAGCTGTCGGAGCACCTACGCTACTGCGACAGCATCCTCAGGGAGATGCTATCCAAGAAGCA
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ATCATCAAGCACCCGATGGACCTCAGCACCGTGAAAAGGAAGATGGATGGCCGAGAGTACCCAGACGCAC
AGGGCTTTGCTGCTGATGTCCGGCTGATGTTCTCGAATTGCTACAAATACAATCCCCCAGACCACGAGGT
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AGGCCGAGGAAGAGAAGAAGGCCAAGGTGGCTCCGCCTGCCAAGCAGGCTCAGCAGAAGAAGGCTCCTGC
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TACGACTCAGAGGAAGAGGAGGAGGGCCTGCCCATGAGCTACGATGAAAAGCGCCAGCTTAGCCTGGACA
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AGATATGTCAAGTCTTGTTTACAGAAAAAGCAAAGGAAACCGTTCTCAGCAAGCGGGAAGAAACAGGCAG
CCAAGTCGAAAGAGGAGCTAGCTCAGGAAAAGAAGAAGGAGCTGGAAAAGCGTCTGCAGGATGTCAGCGG
GCAGCTGAGCAGCAGCAAGAAGCCCGCCCGGAAAGAGAAGCCCGGCTCAGCACCCTCAGGGGGCCCGTCC
AGGCTCAGCAGCAGCAGCTCCTCCGAGTCTGGGAGCAGCAGCTCCAGCGGGTCCAGCTCTGACAGCAGTG
ACTCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217616 representing NM_007371
Red=Cloning site Green=Tags(s)

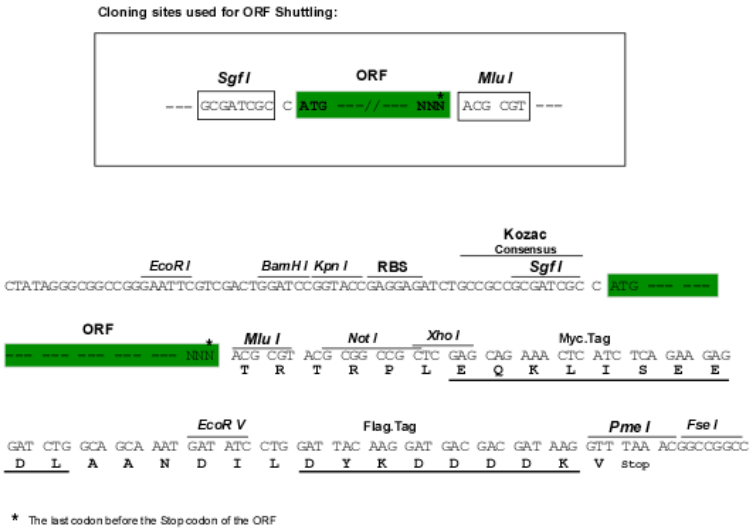
MSTATTVAPAGIPATPGPVNPPPPEVSNPSKPGRKTNQLQYMQNVVVKTLWKHQFAWPFYQPVDAIKLNL
PDYHKIIKNPMDMGTIKKRLENNYYWSASECMQDFNTMFTNCYIYNKPTDDIVLMAQALEKIFLQKVAQM
PQEEVELLPPAPKGKGRKPAAGAQSAGTQQVAAVSSVSPATPFQSVPPTVSQTPVIAATPVPTITANVTS
VPVPPAAAPPPPATPIVPVVPPTPPVVKKKGVKRKADTTTPTTSAITASRSESPPPLSDPKQAKVVARRE
SGGRPIKPPKKDLEDGEVPQHAGKKGKLSEHLRYCDSILREMLSKKHAAYAWPFYKPVDAEALELHDYHD
IIKHPMDLSTVKRKMDGREYPDAQGFAADVRLMFSNCYKYNPPDHEVVAMARKLQDVFEMRFAKMPDEPV
EAPALPAPAAPMVSKGAESSRSSEESSSDSGSSDSEEERATRLAELQEQLKAVHEQLAALSQAPVNKPKK
KKEKKEKEKKKKDKEKEKEKHKVKAEEEKKAKVAPPAKQAQQKKAPAKKANSTTTAGRQLKKGGKQASAS
YDSEEEEEGLPMSYDEKRQLSLDINRLPGEKLGRVVHIIQSREPSLRDSNPDEIEIDFETLKPTTLRELE
RYVKSCLQKKQRKPFSASGKKQAAKSKEELAQEKKKELEKRLQDVSGQLSSSKKPARKEKPGSAPSGGPS
RLSSSSSSESGSSSSSGSSSDSSDSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8120_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

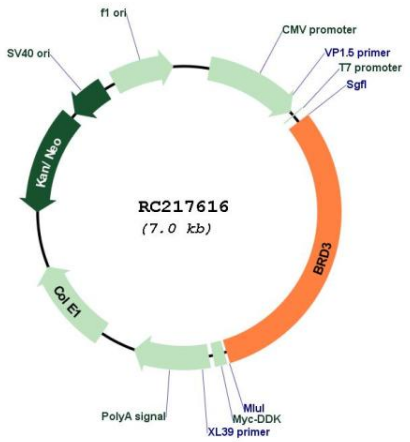


ACCN: NM_007371

ORF Size: 2178 bp

OTI Disclaimer:	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. 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_007371.4
RefSeq Size:	5673 bp
RefSeq ORF:	2181 bp
Locus ID:	8019
UniProt ID:	Q15059
Cytogenetics:	9q34.2
Domains:	BROMO
Protein Families:	Protein Kinase
MW:	80 kDa
Gene Summary:	This gene was identified based on its homology to the gene encoding the RING3 protein, a serine/threonine kinase. The gene localizes to 9q34, a region which contains several major histocompatibility complex (MHC) genes. The function of the encoded protein is not known. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC217616