

Product datasheet for **RG217616**

BRD3 (NM_007371) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRD3 (NM_007371) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRD3
Synonyms:	ORFX; RING3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217616 representing NM_007371
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCACCGCCACGACAGTCGCCCCCGGGGATCCCGGCGACCCGGGCCCTGTGAACCCACCCCCC
 CGGAGGTCTCAACCCAGCAAGCCGGCCGCAAGACCAACCAGCTGCAGTACATGCAGAATGTGGTGGT
 GAAGACGCTCTGAAACACCAAGTTCGCCTGGCCCTTCTACCAGCCCGTGGACGCAATCAAATTGAACCTG
 CCGGATTATCATAAAATAATTAACCAATGGATATGGGGACTATTAAGAAGAGACTAGAAAATAATT
 ATTATTGGAGTGAAGCGAATGTATGCAGGACTTCAACACCATGTTTACAAATTGTTACATTTATAACAA
 GCCCACAGATGACATAGTCTAATGGCCCAAGCTTTAGAGAAAATTTTCTACAAAAAGTGGCCAGATG
 CCCAAGAGGAAGTTGAATTATTACCCCTGCTCAAAGGGCAAAGTTCGGAAGCCGGCTGCGGGAGCCC
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 TGCCAGCCGGAGTGAGTCGCCCCCGCGTGTGCAGACCCAAAGCAGGCCAAAGTGGTGGCCCGCGGGAG
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 AGTCGAAAGAGGAGCTAGCTCAGGAAAAGAAGAAGGAGCTGGAAAAGCGTCTGCAGGATGTCAGCGGGCA
 GCTGAGCAGCAGCAAGAAGCCCGCCGGAAGAGAAGCCCGGCTCAGCACCTCAGGGGGCCCGTCCAGG
 CTCAGCAGCAGCAGCTCCTCCGAGTCTGGGAGCAGCAGCTCCAGCGGTCCAGCTCTGACAGCAGTGACT
 CAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217616 representing NM_007371
 Red=Cloning site Green=Tags(s)

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MSTATTVAPAGIPATPGPVNPPPEVSNPSKPGRKTNQLQYMQNVVVKTLWKHQFAWPFYQPVDAIKLNL
PDYHKI IKNPMDGTIKKRLNNYYWSASECMQDFNTMFTNCYIYNKPTDDIVLMAQALEKIFLQKVAQM
PQEEVELLPAPKGGKGRKPAAGAQSAGTQQVAAVSSVSPATPFQSVPTVSQTPVIAATPVPTITANVTS
VPVPPAAAPPPATPIVPVVPPTPPVVKKKGKVKRKAADTTPTTSAITASRSESPPLSDPKQAKVVARRE
SGGRPIKPPKDLLEDGEVPQHAGKKGKLEHLRYCDSILREMLSKKHAAYAWPFYKPVDAEALHLDYHD
IIKHPMDLSTVKRMDGREYDPAQGFADVRLMFSNCKYNPPDHEVVAMARKLQDVFEMRFKMPDEPV
EAPALPAPAAPMYSKGAESSRSSEESSSDSGSSDSEERATRLAELQEQLKAVHEQLAALSQAPVKNPKK
KKEKKEKKEKKKDKKKEKKEKHKVKAEEKKAKVAPPKQAQKKAPAKKANSTTTAGRQLKGGKQASAS
YDSEEEEEGLPMSYDEKRQLSLDINRLPGEKLRVVIHIIQSREPSLRDSNPDEIEIDFETLKPTTLRELE
RYVKSQLKQKQKQKPFSSGKKQAASKEELAQEKKLEKRLQDVSGQLSSSKKPARKEKPGSAPSGGSPSR
LSSSSSESGSSSSSGSSSDSSDSE
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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_007371.2](#), [NP_031397.1](#)

RefSeq Size: 5673 bp

RefSeq ORF: 2181 bp

Locus ID: 8019

UniProt ID: [Q15059](#)

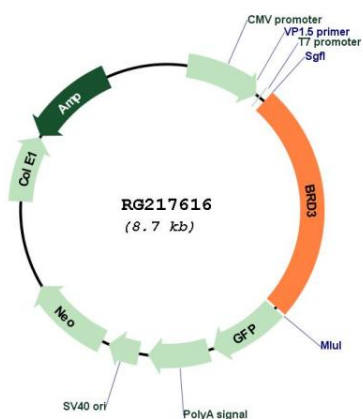
Cytogenetics: 9q34.2

Domains: BROMO

Protein Families: Protein Kinase

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 RG217616