

Product datasheet for SC115567

BRD3 (NM_007371) Human Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | BRD3 (NM_007371) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | BRD3 |
| Synonyms: | ORFX; RING3L |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene ORF sequence for NM_007371 edited
GGGCGGCCGGAATTCGGCACGAGGAGGGGACGGCCCGCGAGGCCAACTGTCT
GCCTGGTTGGGCCCGAAATGGGACGTCGCGCTTCTCAGGGAGCGTAGAAGCAGCCAGG
GCCTCTCCAAGCCGCTGCTGTGACAGAAAAGTGAGTGAGCTGCCGGAGGATGTCCACCGCC
ACGACAGTCGCCCGCGGGGATCCCGGCGACCCCGGGCCCTGTGAACCCACCCCGCCG
GAGGTCTCCAACCCAGCAAGCCCGGCCAAGACCAACCAGCTGCAGTACATGCAGAAT
GTGGTGGTGAAGACGCTCGAAACACCAGTTCGCTGGCCCTTCTACCAGCCCGTGGAC
GCAATCAAATTGAACCTGCCGATTATCATAAAATAATTAACCAATGGATATGGGG
ACTATTAAGAAGAGACTAGAAAATAATTATTATTGGAGTGAAGCGAATGTATGCAGGAC
TTCAACACCATGTTTACAAATTGTTACATTTATAACAAGCCACAGATGACATAGTGCTA
ATGGCCCAAGCTTTAGAGAAAATTTTCTACAAAAGTGGCCAGATGCCCAAGAGGAA
GTTGAATTATTACCCCTGCTCCAAAGGGCAAAGGTGCGAAGCCGCTGCGGGAGCCAG
AGCGCAGGTACACAGCAAGTGGCGGCGTGTCTCTGTCTCCCCAGCGACCCCTTTTCAG
AGCGTGCCCCCACCCTCTCCAGACGCCCGTCATCGCTGCCACCCCTGTACCAACCATC
ACTGCAAACGTCACGTCGGTCCCAGTCCCCCAGCTGCCGCCACCTCCTCCTGCCACA
CCCATCGTCCCGTGGTCCCTCTACGCCGCTGTGTCGCAAGAAAAGGGCGTGAAGCGG
AAAGCAGACACAACCACTCCCACGACGTCGGCCATCACTGCCAGCCGGAGTGAGTCGCC
CCGCGTGTGTCAGACCCCAAGCAGGCCAAAGTGGTGGCCCGCGGGAGAGTGGTGGCCG
CCCATCAAGCCTCCCAAGAAGGACCTGGAGGACGGCGAGGTGCCCCAGCACGCAAGCAAG
AAGGGCAAGCTGTGCGGACACCTACGCTACTGCGACAGCATCCTCAGGGAGATGCTATCC
AAGAAGCACGCGCCTACGCTGGCCCTTCTACAAGCCAGTGGATGCCGAGGCCCTGGAG
CTGCACGACTACCACGACATCATCAAGCACCCGATGGACCTCAGCACCGTGAAAAGGAAG
ATGGATGGCCGAGAGTACCCAGACGCACAGGGCTTTGCTGCTGATGTCCGGCTGATGTT
TCGAATTGCTACAAATACAATCCCCAGACCACGAGGTTGTGGCCATGGCCCGGAAGCTC
CAGGACGTGTTTGTAGATGAGGTTTGCCAAGATGCCAGATGAGCCCGTGGAGGCACCGCG
CTGCTGCCCGCGGCCCATGGTGAGCAAGGGCGCTGAGAGCAGCCGTAGCAGTGAG
GAGAGCTCTTCGACTCAGGCAGCTCGACTCGGAGGAGGAGCGGCCACCAGGCTGGCG



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GAGCTGCAGGAGCAGCTGAAGGCCGTGCACGAGCAGCTGGCCGCCCTGTCTCAGGCCCA
 GTAACAAACCAAGAAGAAGGAGAAGGAGAAGGAGAAGGAGAAGGAGAAGGAGAAGGACAAG
 GAGAAGGAGAAGGAGAAGCACAAGTGAAGGCCGAGGAAGAGAAGGCAAGGTGGCT
 CCGCCTGCCAAGCAGGCTCAGCAGAAGAAGGCTCCTGCCAAGAAGGCCAACAGCAGACC
 ACGGCCGCGACAGCTGAAGAAAGGCGCAAGCAGGCATCTGCCTCCTACGACTCAGAG
 GAAGAGGAGGAGGCGCTGCCATGAGCTACGATGAAAAGCGCCAGCTTAGCCTGGACATC
 AACCGGTGCCCGGGAGAAGCTGGGCCGGTAGTGCACATCATCCAATCTCGGGAGCCC
 TCGCTCAGGGACTCCAACCCCGACGAGATAGAAATTGACTTTGAGACTCTGAAACCACC
 ACTTTGCGGAACTGGAGAGATATGTCAAGTCTTGTTTACAGAAAAAGCAAGGAAACCG
 TTCTCAAGCGGGAAGAACAGGCAGCCAAGTCGAAAGAGGAGCTAGCTCAGGAAAAGAG
 AAGGAGCTGAAAAGCGTCTGCAGGATGTCAGCGGGCAGCTGAGCAGCAGCAAGAAGCCC
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 AGCTCCTCCGAGTCTGGGAGCAGCAGCTCCAGCGGGTCCAGCTCTGACAGCAGTGACTCA
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 TTCAGTGTATGATATCTTCCAGTTTTTCTTTCATAGGTCAGAGATCTATCTTGTGTGT
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 CAGTCACTTGAGATGACAACTTCAAATGCTAACCCGATGACCCAGAAAACCGTGTGAG
 ATTCGTACCGAAGAACCTTGGAATCCCTTGTCTTAGGCCAACCTGGTCGATAGCTCG
 AGAAAGAAATTTTTCAAAGAAATGTCTCGGATATGGGTACTGTATTTGAAAGCTGTTAG
 CTTTGTCAACACGATTGCTTGTCTTGTGATTTGGGCCCGAGCTCTGACCCTCGTGTCTGAC
 GCGGCCACCTCTTCTGGAGGGCTGAGGACAGATGTGCCTGCTTGTGGAGACCAGGCTG
 GGCTAAGCGAAGGGTCATCGCAGCCCCAGCCCCGAGCGTGGAGCCCTTGGGGGTGGT
 GGGTGGGATGTGCGTTCTCCGCTCGTGGTGTGTCAGGAGCTCCTCGGAGGGAACAGAGC
 GGCTGTGTATGCAGCCTGCAGGTTTCCATACACTGAAGCTTTTACCTCAACTTTAAAAAA
 AAAAAAAAAAACTCGAC

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_007371 unedited
 TTTGTAATACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGAGGGGACGGCCGCC
 GGAGCCGCGAGGCAACTGTCGCCTGGTTGGGCCGGAATGGGACGTCGCCTTTCTCAG
 GGAGCGTAGAAGCAGCCAGGGCCTCTCCAAGCCGCTGCTGTGACAGAAAGTGAGTGAGCT
 GCCGGAGGATGTCCACCGCCACGACAGTCGCCCCCGGGGATCCCGGCGACCCCGGCC
 CTGTGAACCCACCCCGGAGGTCTCCAACCCAGCAAGCCCGGCCGCAAGACCAACC
 AGCTGCAGTACATGCAGAATGTGGTGGTGAAGACGCTCTGAAAACACCAGTTTCGCCTGGC
 CCTTCTACCAGCCGTGGACGCAATCAAATTGAACCTGCCGATTATCATAAAATAATTA
 AAAACCAATGGATATGGGGACTATTAAGAAGAGACTAGAAAATAATTATTATTGGAGTG
 CAAGCGAATGTATGCAGGACTTCAACACCATGTTTACAAATTGTTACATTTATAACAAGC
 CCACAGATGACATAGTGCTAATGGCCCAAGCTTTAGAGAAAATTTTCTACAAAAAGTGG
 CCCAGATGCCCCAAGAGGAAGTTGAATTATTACCCCTGCTCCAAGGGCAAGGTGCGGA
 AGCCGGCTGCGGGAGCCAGAGCGCAGGTACACAGCAAGTGGCGGCCGTGCTCTGTCT
 CCCCAGCGACCCCTTCAAGAGCGTGCCCCCACCGTCTNCCAGACGCCCGTCATCGCTG
 CCACCCCTGTACCAACCATCACTGCNAACGNACGTGGGGNNCCAGTCCCCCAGTTGGC
 GCCACCTTCTNCCTGCCACCCATNGTNCCTGGTTCCTTCTACGCCGCTGTGCTCA
 GAAAAAGGCGTGAC

| | |
|-------------------------------------|---|
| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_007371 unedited GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAGTTGAGGTAAAAGCTTCAGT GTATGGAAACCTGCAGGCTGCATACACAGCCGCTCTGTTCCCTCCGAGGAGCTCCTGACA TCACCACGAGCGGAGAACGCACATCCCACCCGACCACCCCAAGGGCTCCACGCTCCGG GCTGGGGCTGCGATGACCCTTCGCTTAGGCCAGCCTGGTCTCCACAAGCAGGCACATCT GTCCTCAGCCCCCTCCAGAAAGAGGTGGCCGCGTCAGACACGAGGGTCAGAGCTCGGGGCC CAATGACAAGGACAATGCGTGTTGACAAAGCTAACAGCTTTCAAATACAGTACCCATAT CCGAGACATTTCTTGGAAAAAATCTTTCTCGAGCTATCGACCAGGTTGGGCCTAAGCA AAGGGATTCCACAAGGTTCTTCGGTACGAATCTCACACGTTTTCTGGGGTCATCGGGTT AGCATTGGAAGTTGTCATCTCCAAGTGAATTGACTGAATTGAGTGAAGAAGAGACTTTCTGC AGAGTTACACCTTCTCATCAAGTCTAACGCACACACAAGATAGATCTCTGACCTATGAA AGCAAAAAGTGAAGATATCATAAACTGAATTAAGAAGCAGACCTGCACACCATGGAAC AGAAGTAGTAATATGAACCACCGAGGGTACGGCAGAGTCTCGGCGTGGGCGACATCCAT CTGTGCTGTGTTGCCAAACCCAGTTATTCTGAGTCACTGCTGTCAGAGCTGGACCCGT TGGAGCTGTTGCTCCAAACCTCGAAGAACTGCCGCTGCCGACCCGGACAGGCCCTGG GGGGCTGATCCGGGTTCTTTTTCCGGGGGTTCTAGTTGTGGTCAGCTGCCCTGTC CAACCGAAACGCTTACACAGTTCTTTTTCCCGTGGTCCCCTCCTTAATCGGGGCGC TNTTTCCCTCGAACGTTCTCT |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_007371 |
| Insert Size: | 3180 bp |
| OTI Disclaimer: | <p>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.</p> <p>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</p> |
| 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: | <ol style="list-style-type: none">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: 3085 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]