

Product datasheet for **SC309174**

BRWD3 (NM_153252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRWD3 (NM_153252) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRWD3
Synonyms:	BRODL; MRX93
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153252, the custom clone sequence may differ by one or more nucleotides

```

ATGGCGGCAGCACCTACCCAGATCGAAGCCGAGCTGTATTACCTGATCGCTAGGTTCTTG
CAGTCTGGACCTGCAACAAATCCGCTCAGGTGCTAGTGCAGGAGCTCGAGGAGCATCAG
CTGATTCGCGCCGCTTAGATTGGGAGGGGAAAGAGCACCGAAGAAGCTTCGAGGATCTG
GTGGCAGCAAATGCACACATTCTCCAGACTACCTCCTTAAATTTGTGAGAGAATTGGT
CCTTTACTAGATAAAGAGATCCCTCAGAGTGTTCTGGGGTACAGACATTATTAGGTGTT
GGTCGGCAGTCTCTGCTACGGGATGCCAAAGACTGTAAGAGTACACTATGGAATGGGTCT
GCTTTTGGGCTCTGCATAGAGGCAGACCTCCAGAACTACCTGTAATTTATGTGAACCT
CCAAATGTGGTGAATATCACCTCTGCCAGGCAATTAACCGGCTGTAGTCGCTTTGGTCAT
ATTTTCCCTTCATCTGCTTACCAGCACATTAAGATGCATAAGAGAATTCTGGGGCACTTG
TCATCTGTCTACTGTGTAGCATTTGACCGAAGCGGGAGAAGAATTTTACAGGTTTCAGAT
GACTGTTTAGTAAAAATTTGGGCTACAGATGATGGACGCCTTCTTGCTACACTTCGTGGA
CACTCTGCTGAAATTTCTGACATGGCTGTTAACTATGAAAACACTCTTATTGCTGCAGGC
AGCTGTGATAAGGTAGTAAGAGTATGGTGTCTTCGAACTGTGCACCCGTTGCAGTCCTT
CAGGGCCATTACGCTTCTATTACTTCCATACAGTTTTGTCCATCAACTAAAGGCACAAAC
AGATACTCACTTCTACTGGTGCTGATGGAACAATCTGTTTCTGGCAATGGCATGTAAAA
ACAATGAAGTTTAGAGATCGCCCGTGAAATTTACTGAGAGATCCAGACCTGGAGTCCAG
ATATCTTGTTTCATCTTTAGTTCTGGTGGTATGTTCACTTACAACCTGGTAGTACTGACCAT
GTGATTAGAATATATTATTTGGGTTCTGAGGTTCTGAGAAAATTGCTGAATTAGAGTCA
CATACGGATAAAGTTGTTGCTGTTCAAGTCTGTAACAATGGAGACAGTTTAAGATTTGTT
AGTGGAAGTCGAGATGGAACGGCAAGAATTTGGCAGTATCAGCAACAAGAATGGAAGAGT
ATAGTGCTAGACATGGCTACTAAAATGACTGGCAATAATTTGCCATCTGGAGAAGACAAG
ATCACTAACTTAAGGTGACTATGGTGGCCTGGGATCGCTATGATACCACAGTTATTACT
GCAGTGAACAATTTCTTTTGAAGTGTGGAATTCTATCACAGGACAGCTTCTTCATACA
TTATCTGGACATGATGATGAAGTATTCGTTCTAGAAGCCCATCCATTTGATCAAAGGATC
ATACTTTCAGCAGGTCATGATGGGAACATTTTTATTTGGGACCTTGACCGGGGGACCAAA
ATTCGGAATTACTTTAACATGATTGAAGGCCAAGGCCATGGTGCGGTGTTTGATTGTAAA
TTTTACCAGATGGAAACCATTTTGCCTGCACAGATTCTCATGGACATTTGCTGCTTTTT
GGTTTTGGATGCAGTAAATACTACGAAAAGATTCCAGATCAGATGTTCTTCCACACGGAT
TATCGTCTCTTATTCGTGATGCCAATAACTATGTATTGGATGAACAAACCAACAAGCT

```



[View online »](#)

CCTCACCTCATGCCTCCTCCATTTTGGTGGATGTTGATGGAAATCCTCATCCCACAAAA
 TTCCAACGGTTGGTACCAGGACGGGAAAAATTGTAAGATGAACAGCTTATACCACAGCTG
 GGATATGTGGCTAATGGTGATGGTGAGGTAGTAGAACAGGTAATTGGGCAGCAAAACCAAT
 GACCAAGATGAGAGCATCTTGATGGAATAATCAGGGAGCTGCAGAGAGAACAAGACCTG
 AGACTAATTAATGAAGGAGATGTTCCACATTTACCAGTTAATAGAGCATACTCTGTTAAT
 GGTGCTCTGAGAAGTCCAAACATGGACATATCTTCTTCCCAACATCAGGCTTCGAAGA
 CATAGTAGTCAAATTGAAGGTGTTAGACAAATGCATAACAATGCTCCTCGGAGCCAGATG
 GCCACTGAAAGAGATCTCATGGCGTGGAGCAGAAGAGTGGTGGTCAATGAACTAAATAAT
 GGGGTTAGTAGGGTACAGGAAGAATGTCGAACTGCAAAAGGTGACATAGAAATCAGTCTT
 TATACAGTTGAAAAGAAGAAAAAGCCATCTTACACTACTCAAAGGAATGATTATGAGCCT
 AGCTGTGGGCGTTCTTTACGAGGACACAGCGCAACGTCAGCATACTTACCAACACGG
 TCCAACATAGAGCATAATTCACAGGCATCATGTCAAAATTCAGGTGTACAGGAAGACTCA
 GACAGTTCTTCAGAGGAAGATGAACTGTTGGCACAAGTGACGCTTCGGTAGAGGATCCT
 GTTGTTGAATGGCAAAGTGAAGTTCTTCCAGTGACTCATCAAGTGAATATTCTGATTGG
 ACAGCAGATGCTGGAATAAATTTACAACCCCCAAAAAGACAAACCAGACAGACAACACGT
 AAAATATGCAGCAGCTCTGATGAGGAAAAATTTGAAGTCCCTAGAAGAAAGGCAGAAGAAA
 CCTAAGCAGACTAGAAAGAAGAAAGGAGGACTGGTTTCTATAGCAGGTGAGCCTAATGAA
 GAATGGTTTGGCCTCAGTGGATCTTGGATACTATACCCGACGTTCCCCATTTGTCCCA
 CAAATGGGAGATGAGCTTATCTATTTTAGGCAAGGACATGAAGCTTATGTTCTGGGCTGTA
 AGGAAATCGAAAAATACAGTGTTAATTTACAAAAACAGCCATGGAACAAAAATGGATCTC
 AGGGAGCAAGAGTTTGTTAAGATTGTAGGAATCAAATATGAGGTTGGCCACCCACACTG
 TGCTGCTTGAAGCTTGCAATTTCTGGACCAATTTCAAGCAAAATGACTGGAGAATCTTTT
 TCCATTAAAGTATCATGACATGCCGGATGTCATTGACTTCTTGTGCTACATCAGTTTTAT
 AATGAAGCCAAAAGAAAGGAATGGCAGATTGGTGATAGATTCCGAGTATAATAGATGAC
 GCCTGGTGGTTTGGGACTGTGGAGAGTCAGCAGCCTTTTCAACCAGAGTATCCTGATAGT
 TCTTTCCAGTGTTACAGTGTTCACTGGGACAATAATGAGAGAGAAAAGATGAGCCCATGG
 GATATGGAGCCAATTCAGAAGGAAGTGCCTTTCCAGATGAAGTTGGTGTGGTGTCTCT
 GTCTCCAGGAAGAATTGACTGCTTTGCTATACAAACCCAGGAAGGAGAGTGGGGGGCT
 CATTCCAGAGACGAAGAATGTGAACGGGTATTACAGGCATCAACCACCTTCTTTCCTG
 GATTTTGCCAGCCCTTTTGCTGTTCCAGTGGATCTCAGTGCCTACCCCTTGATTGTA
 GTAGTTGCTTATCCAACAGCTCAATACCATCAGGCGGAGACTTGAAAATCGCTTTTAC
 AGGAGAATATCAGCATTAAATGTGGGAGGTACGCTATATTGAACATAATGCCAGGACTTTC
 AATGAGCCAGACAGTCTATAGTTAAAGCAGCTAAAATTGTAAGTATGCTTACTTCGA
 TTTATTGGGGATCAGAGCTGACTGATATACTGGATACTTATAATAAAATTAAAGCAGAA
 GAACGAAACAGTACTGATGCAGAGGAGGATACAGAAATTTGTTGATTTAGATTAGACGGT
 CCTGGTACTTCATCTGGAAGAAAGGTCAAATGCCGAGGCAGAAGACAGTCTTTAAAGTGT
 AATCCTGATGCTTGGAAGAAACAAATGCAAGGAATATTGAGCCTCATTTATGAACGTGAA
 GACTCGGAGCCATTTGACAGCCAGCTGATCTTCTTTCTTACCCAGGTCATCAGGAGCAA
 GAGGGAGAATCCTCAGAGTCTGTTGTTCCAGAAAGACAACAAGATTCATCTCTTTCTGAG
 GATTATCAAGATGTTATAGATACTCCTGTGGACTTCAGCACTGTGAAAGAAACTTTGGAA
 GCAGGAAACTATGGTAGTCTCTGGAATTTTATAAGGATGTTGCGCAAAATATTCAACAAC
 TCCAAAGCTTATACCTCTAATAAAAAAGTCAAGGATCTATAGCATGATGCTGCGATTATCT
 GCCTTATTTGAAAGTCATATCAAAAATATCATCTCTGAATATAAGTCAGCAATCCAGAGT
 CAGAAGAGGAGAAGGCCACGGTACAGAAAACGTCTAAGAAGCAGCAGCAGTTCATTATCT
 AGTAGTGGAGCACCTAGTCCAAAAGGGAAGCAGAAACAAATGAAGTTGCAGCCTAAAAAT
 GACCAGAATACCTCAGTATCTCATGCCAGGACTAGCTCTCCTTTCTCATCTCCTGTTTCA
 GATGCTGCTGAAGGGCTTCACTATATCTACTTGATGATGAGCCAGATGGGCCATTTTCT
 TCATCGAGCTTCGGTGGATATAGCCGAAGTGAAATAGCCATGACCCAGGGAAAGCCAAA
 TCAATTCGGAATAGAGTTTTGCCAGTTAAACAAGATCACTCCCTTGATGGACCCCTTACA
 AATGGTGATGGCAGAGAGCCCCGGACAGGAATCAAGAGAAAACTACTTAGTGATCAGAA
 GAAGATGAAAACATGGGAGGAGAAGATAAAGAGAAAAAGAAACAAAAGAGAAATCTCAT
 TTATCCACCTCAGAGAGTGGAGAGTTAGGATCCAGTTTAAAGTTCTGAAAGTACCTGTGGT

TCTGACTCTGACTCTGAATCAACTTCCAGAACAGATCAAGATTACGTAGATGGAGACCAT
GATTATAGCAAATTCATACAAACCAGACCTAAAAGAAAACCTCAGAAAGCAACATGGCAAT
GGAAAAAGAAATTGGAAGACCAGAGGCACAGGAGGAAGAGGCAGATGGGGAAGATGGGGT
AGATGGAGTAGAGGAGGCAGAGGAAGAGGAGGCAGGGGACGAGGGAGTCGAGGAAGAGGT
GGAGGTGGCACTAGGGGGAGGGGAAGAGGGAGAGGAGGAAGAGGTGCTTCTAGAGGAGCT
ACCAGAGCCAAACGAGCACGTATTGCAGATGATGAATTTGATACCATGTTTTTCAGGACGT
TTCAGTAGACTGCCTCGAATTAACAAGAAACCAAGGCAGGAGGACTGTTTTATATAAT
GATGATTCTGATAATGACAATTTGTGTCCACTGAGGATCCTCTGAATCTTGGTACATCC
AGATCAGGCAGAGTGCCTAAAATGACAGAAAAAGCCAGGGTTAGCCATCTCATGGGATGG
AATTATTAA

Restriction Sites:	Please inquire
ACCN:	NM_153252
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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_153252.2 , NP_694984.2
RefSeq Size:	6085 bp
RefSeq ORF:	5409 bp
Locus ID:	254065
UniProt ID:	Q6RI45

Cytogenetics: Xq21.1

Gene Summary: The protein encoded by this gene contains a bromodomain and several WD repeats. It is thought to have a chromatin-modifying function, and may thus play a role in transcription. Mutations in this gene are associated with a spectrum of cognitive disabilities and X-linked macrocephaly. This gene is also associated with translocations in patients with B-cell chronic lymphocytic leukemia. [provided by RefSeq, Jul 2017]