

Product datasheet for **SC119395**

BubR1 (BUB1B) (NM_001211) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BubR1 (BUB1B) (NM_001211) Human Untagged Clone
Tag: Tag Free
Symbol: BubR1
Synonyms: Bub1A; BUB1beta; BUBR1; hBUBR1; MAD3L; MVA1; SSK1
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001211 edited
 ATGGCGCGGTGAAGAAGGAAGGGGTGCTCTGAGTGAAGCCATGTCCCTGGAGGGAGAT
 GAATGGGAACAGTAAAGAAAATGTACAACCTTTAAGGCAAGGGCGGATCATGTCCACG
 CTTGAGGAGCACTGGCACAAGAATCTGCCTGTACAATACTCTTCAGCAGCAGAAACGG
 GCATTTGAATATGAAATTCGATTTTACACTGGAATGACCCTCTGGATGTTTGGGATAGG
 TATATCAGCTGGACAGAGCAGAATATCCTCAAGGTGGGAAGGAGAGTAATATGTCAACG
 TTATTAGAAAGAGCTGTAGAAGCACTACAAGGAGAAAAACGATATTATAGTGATCCTCGA
 TTTCTCAATCTCTGGCTTAAATAGGGCGTTTATGCAATGAGCCTTTGGATATGTACAGT
 TACTTGCACAACCAAGGGATTGGTGTTCCTTGTCTCAGTTCTATATCTCATGGGCAGAA
 GAATATGAAGCTAGAGAAAACCTTAGGAAAGCAGATGCGATATTTAGGAAAGGGATTCAA
 CAGAAGGCTGAACCACTAGAAAGACTACAGTCCCAGCACCGACAATCCAAGCTCGAGTG
 TCTCGGCAAACTCTGTTGGCACTTGAGAAAGAAGAGGAGGAAGTTTTGAGTCTTCT
 GTACCACAACGAAGCACACTAGCTGAACTAAAAGAGCAAAGGGAAAAAGACAGCAAGAGCT
 CCAATCATCCGTGTAGGAGGTGCTCTCAAGGCTCCAAGCCAGAACAGAGGACTCCAAAAT
 CCATTTCTCAACAGATGCAAAAATAGTAGAATTACTGTTTTTGGATGAAAATGCTGAT
 GAGGCTTCTACAGCAGAGTTGTCTAAGCCTACAGTCCAGCCATGGATAGCACCCCCATG
 CCCAGGGCCAAAGAGAATGAGCTGCAAGCAGGCCCTTGGAAACACAGGCAGGTCTTGAA
 CACAGGCCTCGTGGCAATACAGCTTCACTGATAGCTGTACCCGCTGTGCTTCCAGTTTC
 ACTCCATATGTGGAAGAGACTGCACGACAGCCAGTTATGACCCATGTAATAATGAACT
 AGTATAAACACATCCTAAGCACCAGAAAAGCCTGGAAAGGAAGAAGGAGATCCTCTACAA
 AGGGTTACAGGCCATCAGCAAGCGTCTGAGGAGAAGAAAGAGAAGATGATGTATTGTAAG
 GAGAAGATTTATGCAGGAGTAGGGGAATTCCTTTGAAGAAATTCGGGCTGAAGTTTTTC
 CGGAAGAAATTAAGAGCAAAGGGAAGCCGAGCTATTGACCAGTGCAGAGAAGAGAGCA
 GAAATGCAGAAACAGATTGAAGAGATGGAGAAGAAGCTAAAAGAAATCCAACTACTCAG
 CAAGAAAGAACAGGTGATCAGCAAGAAGAGACGATGCCTACAAAGGAGACAATAAAGT
 CAAATTGCTTCCGAGTCTCAGAAAATACCAGGAATGACTCTATCCAGTTCTGTTTGTCAA
 GTAACCTGTTGTGCCAGAGAACTTCACTTGGGAGAACATTTGGCAGGAACAACCTCAT



[View online >](#)

TCTAAAGGTCCCAGTGTACCTTTCTCCATTTTTGATGAGTTTCTTCTTTCAGAAAAGAAG
 AATAAAAGTCTCCTGCAGATCCCCACGAGTTTTAGCTCAACGAAGACCCCTTGCAAGT
 CTCAAAACCTCAGAAAGCATCACCTCAAATGAAGATGTGTCTCCAGATGTTTGTGATGAA
 TTTACAGGAATTGAACCCCTTGAGCGAGGATGCCATTATCACAGGCTTCAGAAATGTAACA
 ATTTGTCCTAACCCAGAAGACACTTGTGACTTTGCCAGAGCAGCTCGTTTTGTATCCACT
 CCTTTTCATGAGATAATGTCCTTGAAGGATCTCCCTTCTGATCCTGAGAGACTGTTACCG
 GAAGAAGATCTAGATGTAAGACCTCTGAGGACCAGCAGACAGCTTGTGGCACTATCTAC
 AGTCAGACTCTCAGCATCAAGAAGCTGAGCCCAATTATTGAAGACAGTCGTGAAGCCACA
 CACTCCTCTGGCTTCTCTGGTCTTCTGCCTCGGTTGCAAGCACCTCCTCCATCAAAATGT
 CTTCAAATTCCTGAGAACTAGAACTTACTAATGAGACTTCAGAAAACCTACTCAGTCA
 CCATGGTGTTCACAGTATCGCAGACAGCTACTGAAGTCCCTACCAGAGTTAAGTGCCTCT
 GCAGAGTTGTGTATAGAAGACAGACCAATGCCTAAGTTGGAAATTGAGAAGGAAATTGAA
 TTAGGTAATGAGGATTACTGCATTAACGAGAATACCTAATATGTGAAGATTACAAGTTA
 TTCTGGGTGGCGCAAGAAACTCTGCAGAATTAACAGTAATAAAGGTATCTTCTCAACCT
 GTCCCATGGGACTTTTATCAACCTCAAGTTAAAGGAACGTTTAAATGAAGATTTTGAT
 CATTTTTGCAGCTGTTATCAATATCAAGATGGCTGATTGTTTGGCACCAATATATAAAC
 TGCTTCACCCCTCAGGATCTTCTCCAACACAGTGAATATATTACCCATGAAATAACAGTG
 TTGATTATTTATAACCTTTTGACAATAGTGGAGATGCTACACAAAAGCAGAAATAGTCCAT
 GGTGACTTGAGTCCAAGGTGTCTGATTCTCAGAAACAGAAATCCACGATCCCTATGATTGT
 AACAAGAACAATCAAGCTTTGAAGATAGTGGACTTTTCTACAGTGTGACCTTAGGGTG
 CAGCTGGATGTTTTACCTCAGCGGCTTTCGGACTGTACAGATCCTGGAAGGACAAAAG
 ATCCTGGCTAACTGTTCTTCCCTACCAGGTAGACCTGTTTGGTATAGCAGATTTAGCA
 CATTACTATTGTTCAAGGAACACCTACAGGCTTCTGGGATGGTCTTCTGAAACT
 AGCCAAAATATTTCTGAGCTAAAAGATGGTGAATTGTGGAATAAATTCTTTGTGCGGATT
 CTGAATGCCAATGATGAGGCCACAGTGTCTGTTCTTGGGAGCTTGCAGCAGAAATGAAT
 GGGGTTTTTGACACTACATTCCAAAGTCACCTGAACAAAGCCTTATGGAAGGTAGGGAAG
 TTAAGTGTCTGGGCTTTGCTCTTTCAGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001211 unedited
 NGTTCAAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGTTTGTTA
 GGGAGTCGTGTACGTGCCTTGGTCGCTTCTGTAGCTCCGAGGGCAGGTTGCGGAAGAAAG
 CCCAGGCGGTCTGTGGCCAGAGGAAAGGCCTGCAGCAGGACGAGGACCTGAGCCAGGAA
 TGCAGGATGGCGGCGGTGAAGAAGGAAGGGGTGCTCTGAGTGAAGCCATGTCCCTGGAG
 GGAGATGAATGGGAAGTGAAGAAAATGTACAACCTTTAAGGCAAGGGCGGATCATG
 TCCACGCTTCAGGGAGCACTGGCACAAGAATCTGCCTGTAACAATACTCTTCAGCAGCAG
 AAACGGGCATTTGAATATGAAATTCGATTTTACACTGGAATGACCCTCTGGATGTTTGG
 GATAGGTATATCAGCTGGACAGAGCAGAACTATCCTCAAGGTGGGAAGGAGAGTAATATG
 TCAACGTTATTAGAAAGAGCTGTAGAAGCACTACAAGGAGAAAAACGATATTATAGTGAT
 CCTCGATTTCTCAATCTCTGGCTTAAATTAGGGCGTTTATGCAATGAGCCTTTGGATATG
 TACAGTACTTGCACAACNCAAGGGATTGGTGTTCACCTTGCTCAGTTCTATATCTCATG
 GGCAGAAGAATATGAAGCTAGAGAAAACCTTAGGAAAAGCAGATGCGATATTTAGGAAAGG
 GATTCAACAGAAGGCTGAACCACTAGAAAAGACTACAGTCCAGCACCCGACAATTCGAAGC
 TCGAGTGTCTCGGCANACTCTGTTGGCACTTGAGAAAAGAGAGGNAAGNAGTNNNTTG
 AGTCTTCTGTACCACACGAAGCACACTAGNNCTGACTAAAGAGCAAGGGAANAAGACAGC
 AGAGCCCAATCATTGGTTNAGGAGGTGCTCTCA

3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001211 unedited AATCCACTTTACAGGTGATCATAGAGACATTTACAATTACAAATGGGTTAAGTCAGGGAA AAGTAGAGACAAATGGGTAAATAAACAAGGTAACCATTTGTAATGAGTCTGTTTAGAATA AAATAGTTCTTCCAAAAAGTTAGACAAGGCCATGAGTAAGTATATCACTGTATAAAAAAT ATCAGTGACGTCAAAATATACCTGTACCAAAAAGTAGAACAGCAATGGTAGTGCATCTAA ATGTGTCCTAAATTAATTACAGCACATACAGTTTCAGTGTTCCACAATACAACCATTGC TCTGAGGCAGCAATCTGTGAGACTTGATCGCCTAGTTCCTGAAAGAGCAAAGCCCCAGG ACTAGTTAACTTCCCTACCTTCCATAATGCTTTGTTCCGGTGACTTTGGAATGTAGTGTC AAAAACCCCATTCATTTCTGCTGCAAGCTCCCCAAGAACAGACTGCGGCCTCATCATT GGCATTAGAATTCCGACAAAGATTTATCCACATTCACCATCCTTTATCTCAGAATATC TCGGCTATGTTCCAGAAGACCCATCCCACAAACCTCGCCGGTCCCTTGAACAATATCAA CGCGCTAAACCCGGTATCCAAACCGCTCTCTGCTAGGGAAAAAACGGTAGCCAGATCC TTTGCCCTTCCGAATCTGCCAGTCTATACCCGTTGAGGGTAAACTCCCCGCTTGTC CCACGGTTTTCTCTGGCCGAATAGCCCCTCATTTTCAAGCTCGGTTGTTTTTGCATAT TATAAGGTATCGGCTCTCCCTTGACAACATATTTTTGCACTCACCCACTATGGATCAC CTTTGCCTTGGCCCCCTTCCCTTCCCGTCATAGTCTACCCACACACCCGTCCTCTATT TTCCCCCTTCCCGCCCTGGTTATCTCCACCCGCCACGTTTCTTTTTGTGCTTTATCCAC CACCCCGCCCCGCTTTCCACCCCCACACCCCTCACTTTCTCTCCCGCCTTTCTC TCCCG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001211
Insert Size:	3900 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_001211.4 , NP_001202.4

RefSeq Size: 3721 bp

RefSeq ORF: 3153 bp

Locus ID: 701

UniProt ID: [O60566](#)

Cytogenetics: 15q15.1

Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Protein Pathways: Cell cycle

Gene Summary: This gene encodes a kinase involved in spindle checkpoint function. The protein has been localized to the kinetochore and plays a role in the inhibition of the anaphase-promoting complex/cyclosome (APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation. Impaired spindle checkpoint function has been found in many forms of cancer. [provided by RefSeq, Jul 2008]