

## Product datasheet for **MC204194**

### Bub3 (NM\_009774) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bub3 (NM\_009774) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Bub3  
**Synonyms:** AU019800; AU021329; AU043350; AW146323; C78067  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC025089  
 CGCTTTGCCTGCGAGTGCTCGGAGGGAAGCGGATCGGTAGTGCCGGTGCAGAAACGTTGCTTAGGCCGA  
 CAGGAGATGACCGGTTCCGAACGAATTCAGCTGAACCAGCCACCGAGGATGGCATCTCCTCGGTTAAGT  
 TCAGCCCCAACACATCCCAGTTCCTCCTGGTCTCCTCCTGGGACACGCTCTGTGCGCTCTACGATGTGCC  
 CGCCAATTCCATGAGGCTCAAGTACCAGCACACTGGTGTCTCCTGGACTGCGCCTTCTACGATCCAACG  
 CATGCCTGGAGTGGTGGATTAGATCATCAACTGAAAATGCACGATTTGAACACTGATCAAGAAAATCTTG  
 TTGGAACACAGTACCCCTATCAGATGTGTTGAATACTGTCCAGAAGTGAACGTGATGGTAACTGGAAAG  
 TTGGGATCAGACAGTTAAACTGTGGGACCCAGAACTCCGTGTAATGCTGGGACTTTCTCCAGCCGGAA  
 AAGGTCTACACCCTGTCAGTGTCTGGGGACAGGCTGATTGTGGGCACGGCGGGCCGAGTGTGGTGT  
 GGGACTTGGCGAACATGGGCTATGTGCAGCAGCGGAGGGAGTCCAGCCTGAAGTACCAGACTCGCTGCAT  
 CCGAGCCTTCCCGAACAAGCAGGTTATGTGTTGAGCTCCATCGAAGGCCGAGTGGCTGTGGAATACTTG  
 GACCCGAGCCCTGAGGTGCAGAAGAAGAAGTACGCCTCAAGTGCCACAGGCTAAAGGAGAACAACATTG  
 AGCAGATTTACCCAGTCAACGCCATCTCCTTTCAACATCCACAACACGTTTGGCCACAGGTGGTTCCGA  
 TGGATTCGTCAATATTTGGGACCCATTTAAACAAGAAGCGCCTGTGCCAGTTCCATCGGTACCCACCAGC  
 ATCGCTTCCCTTGCCCTCAGTAATGACGGAACACGCTTGCAATAGCATCGTCATATATGTATGAGATGG  
 ATGACACCGAGCATCCTGAAGATGGTATCTTCATTGCGCAAGTGACAGACGCAGAAAACAAAGCCCAAGTC  
 CACGTAATCTGGGAAAGCAGTTTCTCTGAAAAGCTTTGCTTCTACAAACACACGCTTTCCCTGAGGC  
 CTGCTTGACGCCATTGGACACTTGGTCTAGTGTGTGGATTCTATGTCTTCTGTCTGTAACAGAATTGTCT  
 CTGTGCCCTGTGATTGTTTTGGGTAGGGACGCTTTGTATCCTTGTACAGTAGCTTTGACGATTCTCCTCC  
 CCTACGCCATTTTTGTTGTGTTGCTATCTAAAACGTTATATTTTTCTGTTGTCTAATAAATCAGAGA  
 TTTGAACTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_009774  
**Insert Size:** 981 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC025089</a> , <a href="#">AAH25089</a>
<b>RefSeq Size:</b>	1368 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	12237
<b>UniProt ID:</b>	<a href="#">Q9WVA3</a>
<b>Cytogenetics:</b>	7 74.36 cM
<b>Gene Summary:</b>	<p>This gene encodes a component of the mitotic spindle assembly complex. The encoded protein is involved in the regulation of chromosome segregation during oocyte meiosis. Disruption of this gene results in the accumulation of mitotic errors and is lethal in the embryonic stage. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>