

## Product datasheet for **MC221195**

### Cep68 (NM\_172260) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cep68 (NM_172260) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep68
Synonyms:	6030463E10Rik; AI481761; BC027174; Kiaa0582
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221195 representing NM\_172260  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCTGAGTGAAGATGAGGCTGAGGCAGAAGTGTCTGTCAACACAAAGTCCCATCCTGTGGCAGGT  
 GGAAGCTCTGGGAAGCTGCTGCCCTCAGGGCTTGAACCAGATCAGCCCCTACATCTGGGTGTTGAGGGGGG  
 GCCACTGTGGAGGGCTGAAGCTGACCCTGGCTGCATCTCGGGAGTTTTCTGTACAGGGTCCATACTGCC  
 AGCAAAGAACCAGTAGCAGATAGGTCTAAGCCTCCCCTCAGAGGCCCGCTTCTTCTGCCAGTGTGGGCA  
 CTGGAGAGGTTTTACTCTATGGGCAGCCAAATGGAGGAAGACAGGCTTCTGCCTCCCAGGACCTACT  
 TCCAGCTCTTCAAGTCTTTGAACTATAACTGTTTGTCTCAGGACAGGAGGCTGACAGTGAAGACTCCAG  
 GCTACGCTTGATCCATCTCAGGTGTTGGGCTCAGCCAGCAACCACACCTCAGGTCTCCCTCTCCCGC  
 CACAGTGAAGTCCACGGTGAGCCAGGTGCTCCTCAGCTTCTAGCAGAAGCATCTCTGCCTCCTCGGT  
 GGGCAGCAGTCTCAGGATCACCAAGAGAAGGCAGGACCTCAGAGGGCCTTTTTGCCAATGTCTCTCTCT  
 CCCGAGTTGACTGTACCCAGGCAGCCACTCTGTGGTGGGGCAGGGCCTCCGCTCCAGGGGTACAGCAC  
 AGCCTCTGACCTCTGGCAGTGATGCTACAGGCCTGGGTAAAGACACCTCTCCTTTCAGGCAGAATACTG  
 GGCTGTGCGCTGCCAAATTCTCTGCCTCCTTCCCTAACCGCCACTCCGCACTCTGGGACCCAAATAAA  
 GAGTATGAAGATCTGCTTGACTACACTTACCCACTGAGGCCTGGGCTCAGCTCCCAAAGCAACCTGAAA  
 GTCATGTCCTGACTGAGCCTGTTCTGCAGGACTCAGGTGTAGATCTGGACAGTTTGTCTGTCTCCCAGC  
 AAGTACTCTAAAGTCAACCACTAATGTCTCCACAATTGCTCATCAGCAGAAGTGCTACTCTGCCATTT  
 TCTGGAGCCAGAGAGTCAATGTCTTAAGCGCTGGCCCTTGGGAATATTCCAGAAACAGGGTGGCACAAGT  
 TGTCACTCTGGAACCAGTTGCATCAACCCCTAGAGCCCAGGCACTGAAGATGCTTCTTGGGGAACAG  
 AGAGGCAGCCCTGAGGGGCACAGCGGAGGACTGCCTCCCTATAGGTGAGGACCTCCGAATGGGCTCTCC  
 CAGCTGAAGACGAAGGAGAAAGAGCCACCTTTCCAGACAGAAGAGAGGCAGGCAGCATGTTAGCTGCC  
 CGGCTGTGTGACGCTGGATGGCCATCAGAAGAGGAGGTGGGAAGTGATGAGGAGTACCTTGCTGTGCC  
 CACCAGGCTGACTCAGGTCTCTAGTTTGGTGTCTACTCAGGTGCCAGGCCCTCTTTGTGAACCTACAC  
 ACTGGGGTGTGAGGAACACAGTTCACTACAAGTCTCAGACAGTGACAAGCCAGCCTCCCCACATTGG  
 ACTCCAGCCACAGGAAGCATCCTTCTGAACTTCTTTCAAGGGCCTGTGGCCAGAACCCTGCTTCAG  
 GCATTCTATCCAGCCCCAGGACTCTAGAGGCAAAAGTAGTCTGATGAGTAACCAGACCCTCGGGTCTCT  
 TCAAAACCACTGAAAACCTCAGCCCGCTCAAAGCCATGACGGACAGGGCCTGTCTCCGAGCTAGTAG  
 CTGGAGAGACACTTCCCAGGACGACAGATGAGCAGGAGAAAGCTTCTCTAGTGCAGTGTGTGCAGACATT  
 TTGCTGTCTGGCTGGAAGAGCTGATCTGCTGTTGTATAATGTCACAGATGTTGCTGACCTCAGTGCTCCA  
 CCCAGGACCAGCCTTACAGGTCTCAAGTCTTCTCTGCAGCTTTACAGGCAATTTAAGAAAGATGTAGACG  
 AACATCAGTCCCTGACAGAGAGCGTCTTGGAGAAGGGAGAGATTCTTCTCAGTGCCTGTTGGATAACAC  
 CCCAGTTTTAAAGGATGTCCTTGAGAGGATTGCAAAGCAGTCTGGTGAGCTGGAGAGCCGTGCAGATCAT  
 CTTTATGACTCTATCTTAGCCTCTTTGGACATGTTGGCTGGCTGCACCCTCATCCCTGACAAACAGGCCAA  
 CAGCAGCAGAACCACCCACATGAAGGGCTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_172260

**Insert Size:** 2202 bp

**OTI Disclaimer:** 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>	<u><a href="#">NM_172260.3</a></u> , <u><a href="#">NP_758464.2</a></u>
<b>RefSeq Size:</b>	4810 bp
<b>RefSeq ORF:</b>	2202 bp
<b>Locus ID:</b>	216543
<b>UniProt ID:</b>	<u><a href="#">Q8C0D9</a></u>
<b>Cytogenetics:</b>	11 12.92 cM
<b>Gene Summary:</b>	Involved in maintenance of centrosome cohesion, probably as part of a linker structure which prevents centrosome splitting. Required for localization of CDK5RAP2 to the centrosome during interphase.[UniProtKB/Swiss-Prot Function]