

## Product datasheet for **MC228412**

### Cep63 (NM\_001301689) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cep63 (NM_001301689) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep63
Synonyms:	4921501M07; AL450317.13gm1; AW107703; CD20; CD20R; D9Mgc41; D9Mgc48e; ET2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228412 representing NM\_001301689  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGGTTGCGGCTGCCCGGTTCGTCGCGCCCTGGGTTCTCTCCTCCCTATGGACTCTGGGCTGG  
 CCGGCCAGACTACAGCAATGAATTGGTGGCCTAGCAACCTCAAAGATGGAAAAGCCGAAGTTCGAGGAC  
 ACAGAGCTGTTGCCAAAACAAAGAGATTAGAGATGGAGGCTTTGTTGGAAGGAATACAAAATCGGGG  
 CATAGTGGGGATTTTTGACATCCTGTGAAGCAGAAGTCAAGAGCTCATGAAACAGATCGATATAATGG  
 TGGCTCATAAGAAGTCGGAGTGGGAGGGCAGACGCACGCTCTGGAGACTTGGTGGACATCCGTGATCG  
 GGAGCTGAAGGCTCTGAGGAGTCAGCTGGACATGAAGCACAAGAGGTTGGAATATTGCATCAGCAGATA  
 GAAGAATGAGAAAACCAAGCAAGAAATGGCCATGGAGTACAAGGAGGATTAAGTGAAGCTGCAGGAGG  
 AATTAAGCAGACTGAAGAGAAGCTATGAAAAGTGCAGAAAAGCAACTAAGAGAATTTAGAGGAAATAC  
 CAAAAGTTTTCGAGAGGATCGGCTGAGATTGAGAGGTAAGTGGAAAAATAGAGGAATCCGACAGAAG  
 TCTCTGGACTGGGAGAAGCAGCGTCTGATTTATCAGCAACAGGTATCTTCTCTGGAAGCAGAGGAAGG  
 CTCTGGCTGAACAGTCGGAGATAATCCAGGCTCAGCTTGCCAACCGGAAACAGAAATTAGAGTCCGTGGA  
 ACTATCTAGCCAGTCAGAAATCAACACCTGAACAGTAAGCTTGAGCGGGCTAAGGACACCATCTGTGCC  
 AATGAGCTGGAATAGAGCGCCTAACATAAGGGTCAACGACCTGATGGGAACCAATATGACTATCTCTGC  
 AGGACCATCGGCAGAAGGAGGAGAACTAAGGGAACTGAGAAGTTACTAGAGGCTCTGCAGGAAGAACA  
 GAAAGAGTTGAAGGCAAGTCTTCAATCTCAAGAACTTCACTCTGAGGCAAAAATGCAGGAGAACTG  
 CAAACGACATTAAGGCGAGTGGCACTCAGCAGTCCGTAGAAAAGCCCTGGAGGACTGCAGAAGGAAA  
 GGAAGTACAGCTCTCCAGGGCAAGGAGTCTGGATAATGTGCTCTCCAGCTGGACTTCAGCCACAGCAG  
 TGAAGAACTCCTGCAGGCAGAGGTGACGCTTGAAGGCAAGTTAGAATCTGTGAGTGCAACATGCAAAA  
 CAGCTGAGCCAAGAACTAATGGAATAACGAAGAGCTGAAGAGGATGGAAGGGCATAACAATGAGTACC  
 GGACAGAGATAAAGAAGTTGAAGGAACAGATTCTGCAGGCTGATCAGACCTACAGTTCTGCCCTGGAAGG  
 AATGAAGATGGAATCTCCAGCTAACTCGGGAGTTGCACCAGCGAGATCACTATTGCTTCTGCCAAG  
 TGTTCTCTCAGACATGAAAAGCAGCTGAAGGCAGAGATGCAGAAGGCAGAAGAAAAGGCTGTAGAGC  
 ATAAGGAGATTCTAAGTCAGCTGGAATCTCTCAAATTAGAAAATCATCGTCTTTCTGAAACAGTGATGAA  
 GCTGGAAGTGGGCTTGCATGAGGGCTCGCTGCCACCTCTCTCTGGGATCGATAGCTACCAGTTTCTG  
 GAAGAGGAGGAGCTGAGGTCTACCATATTCTAGAGCGCTGGACGCCACATTGAAGAAGTAAAAGAG  
 AGAGTGAGAAGACGGTGAGGCAGTTCACAGCCCTCGT**AG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001301689

**Insert Size:** 1791 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001301689.1](#), [NP\\_001288618.1](#)

**RefSeq Size:** 2210 bp

**RefSeq ORF:** 1791 bp

**Locus ID:** 28135

**Cytogenetics:** 9 54.61 cM

**Gene Summary:** This gene encodes a subunit of the centrosome, the main microtubule-organizing center of the cell. The encoded protein associates with another centrosomal protein, CEP152, to regulate mother-centriole-dependent centriole duplication in dividing cells. Disruption of a similar gene in human has been associated with primary microcephaly (MCPH). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]  
Transcript Variant: This variant (2) lacks multiple alternate in-frame exons in the 3' coding region compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.