

## Product datasheet for **MG217919**

### Cep57 (NM\_026665) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cep57 (NM_026665) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cep57
Synonyms:	3110002L15Rik; 4921510P06Rik; 4931428M20Rik; AI467480; mKIAA0092; Tsp57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217919 representing NM\_026665  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCAGCCTCGGTCTCGGCGGCTTCTGATTCTCAGTTTTCGAGCGTCTAGCTGAACCATCAAGGT  
 CTAATGGAATATGGTTGTCATTCTTCGCTCCATATGTATTGTATCCACCTGATAAGCCTTTCCTTAA  
 CAGTGATCTGAGACGCTCCCAAATAAGCCACATTTGCCTATCCGAAAAGCAACAGCAGAGCCATATTT  
 TCTGCTCTTAAGAATCTTCAAGATAAGATTTCGACGCTGGAAGTGGAAAGGATTCAGGCAGAAGAAAGTG  
 TGAACCTTGTCTAGGGAAACATTGAGTACAAGAAAGTATTGGATGAACAGATCCAAGAGAGGGAGAA  
 CTCAAAGAATGAAGAATCAAAGCACAATCAAGAACTGGCATCCCAGTTGGTAGCTGCAGAAAATAAATGT  
 AATCTTCTAGAAAACAATTGGAATACATGCGAAATATGATAAAGCATGCAGAAATGGAGAGGACATCTG  
 TGTTAGAAAAGCAGGTTTCTCTAGAAAAGAGAACGGCAGCATGATCAAACCCATGTTTCAGAGCCAGCTGGA  
 AAACTGGATCTTCTTGAACAGGAATACAACAACTCACGCCATGCAGGCCCTTGCAGAAAAAAGATG  
 CAGGAGTTGGAGTCCAACTCCGTGAAGAAGAGCAGGAAAGGAAGCGGATGCAGGCCCGGGCAGCAGAGT  
 TACAGAGTGGTCTAGAAGCAAATAGACTTATTTTTGAAGATAAGACTACTTCATGTGTTTCAACCAGCAC  
 TAGAAAAATAAAAAAAGAAAGTCAAAACCACCAGAAAAGAAAGTTCTAGGACCTATTTTGGTGCACAG  
 CCACATTACAGATTGTGCTTAGGTGATATGCCTTTTGTGCTGGAACGTCCACCAGTCCCAGCCATGCCG  
 TGGTAGCCAAATGTTTCAGCATGTCTTGCATCTGATGAAACACCACAGTAAAGCCCTGTGCAATGATCGAGT  
 TGTTAACAGTGTCCCTTGGCAAAGCAAGCTTGTCTCAGAGTTAGTAAGAGTAAGAAGTCAGTGGTGCCT  
 CCTTCCAGCAGTGTTAATGAAGAACTTTCGGATGTCTTGCAGACTTACAGGATGAATTTGGCAAAATGA  
 GCTTTGATCATCAGCAGCTTAACTCATAACAGGAATCACCAACTGTGGAACAAAAGCAACCTGGA  
 GTGTGAATTGGAGCATTAGTGGGAAGAATGGAAGCGAAGGCCAATCAGATAACTAAAGTTCGAAAATAC  
 CAAGCCCAGCTGGAGAAAACAAACATAGATAAGCAGAAGAAGGAATTAAGGCTAACAAAAAGACTCTTG  
 ATGAAGAAGGGAACAGCAGCGGTCGTTCTCTGGAGTCCCAAGGACCGCAAGTAAGAAGGATCTGGCCAA  
 ACAGAGACCTGGAGAAAAAGCAGGAAAAATCTTCAGTTACTGAAGGACATGCAGACCATACAGAATTCA  
 CTGCAGAGCAGTAATCTGTGTTGGGATTAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217919 representing NM\_026665  
 Red=Cloning site Green=Tags(s)

MAAASVSAASDSQFSSVLAEPSRSNGNMVHRSSSPYVLYPPDKPFLNSDLRRSPNKPTFAYPESNSRAIF  
 SALKNLQDKIRRELERIQAEESVKTL SRETIEYKKVLDEQIQERENSKNEESKHNLQELASQLVAAENKC  
 NLLEKQLEYMRNMIKHAEMERTSVLEKQVSLERERQHDQTHVQSLEKLDLLEQYINKLTAMQALAEKMM  
 QELESKLREEEQERKRMQARAELQSGLEANRLIFEDKTTSCVSTSTRKIKKKKSKPPEKKGSRTYFGAQ  
 PHYRLCLGDMPFVAGTSTSPSHAVVANVQHVLHLMKHHSKALCNDRVVNSVPLAKQACSRVSKSKSVVP  
 PSSSVNEELSDVLQTLQDEFQMSFDHQQTKLIQESPTVELKDNLECELEALVGRMEAKANQITKVRKY  
 QAQLEKQNIDKQKELKANKKTLDEEGNSSGRSSGVPRTASKKDLAKQRPGEKSRKNLQLLKDMQTIQNS  
 LQSSNLCWDY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_026665

**ORF Size:** 1500 bp

**OTI Disclaimer:** 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_026665.4](#), [NP\\_080941.3](#)

**RefSeq Size:** 2515 bp

**RefSeq ORF:** 1503 bp

**Locus ID:** 74360

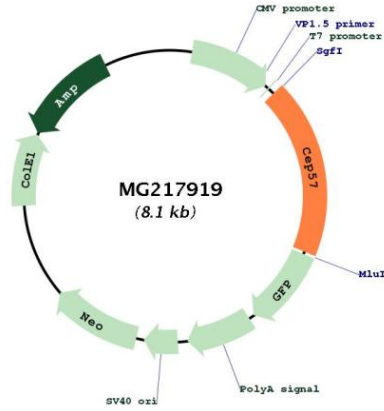
**UniProt ID:** [Q8CEE0](#)

**Cytogenetics:** 9 A1

**Gene Summary:**

Centrosomal protein which may be required for microtubule attachment to centrosomes. May act by forming ring-like structures around microtubules. Mediates nuclear translocation and mitogenic activity of the internalized growth factor FGF2.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG217919