

## Product datasheet for **RN210950**

### **Cep57 (NM\_001108124) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cep57 (NM_001108124) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cep57
Synonyms:	3110002I15rik; RGD1309884
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210950 representing NM\_001108124  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCGCCCTCGGTCTCGGCGGCTTCTGATTCTCAGTTTTCGAGCGTCTAGCTGAACCATCAAGGT  
CTAATGGAAATATGGTTTCATCATTCTTCATCACCATATGTATTGTATCCACCTGATAAGCCTTTCCTTAA  
CAGCGATCTGAGACGCTCCCAAATAAGCCACGTTTGCCTATCCGAAAAGCAACAGCAGAGCCATATTT  
TCTGCTCTTAAGAATCTTCAAGATAAGATTTCGACGCTGGAAGTGGAAAGAATTCGGGCAGAAAGAAAGT  
TGAAAACCTTGTCTAGGGAGACAATTGAGTATAAGAAAGTATTGGATGAACAGATACAAGAGAGGGAGAA  
CTCAAAGAATGAAGAATCAAAGCACAATCAAGAAGTGGCATCTCAGTTGGTAGCTGCAGAAAATAAATGT  
AATCTTTAGAAAACAATTGGAATACATGCGAAATATGATAAAGCATGCAGAAATGGAGAGAACATCTG  
TCTTAGAAAAGCAGGTTTCGCTAGAAAAGAGAACGGCAGCATGATCAAAGCCATGTTTCAGAGCCAGCTGGA  
AAAAGTGGATCTTCTTGAACAGGAATATAACAGACTCACCGCAATGCAGGCCCTTGCAGAAAAAAAATG  
CAAGAGTTGGAGTCCAACTCCATGAAGAAGAGCAGGAAAGGAAGCGTATGCAGGCTCGGGCAGCGGAGT  
TACAGAGTGGTATAGAAGCGAACAGACTTATATTTGAAGATAGAATACTTCATGTGTTTCAACCAGCAC  
TAGAAAAATAAGAAAAAGAAAGTCAAAACCACCAGAAAAGAAAGTTTTAGGAACAACCTTGGTGCACAG  
CCACATTACAGATTGTGCTTAGGTGATATGCCTTTTGTGCTGGAACGTCCACCAGTCCCAGCCATGCCG  
TGGTAGCCAATGTTTCAGCACGTCTTGCATCTGATGAAGCATCACAGCAGAGCCCTGTGCAATGACCGGT  
TGTTAACAGTGTGCCCTTGGCAAAGCAAGCTTGTTCACGAGGTAGTAAGAGTAAGAAGTCAGTGGCGCCT  
CCCTCCAGCAGTGTTAACGAAGAATTTTCGGATGTCTTACAGACGTTACAGGATGAATTTGGCAAATGA  
GCTTTGACCACCAGCAGTTACTAACTCATAACAGGAATCACCCAGTGAAGGAGCTGAAAGACAACCTGGA  
GTGTGAAGTGGAGCATTAGTGAGAAGAATGGAAGCGAAGGCCAACCCAGATAACTAAAGTTCGAAAAGTAC  
CAAGCCCAGCTGGAGAAAACAAAGCACAGATAAGCAGAAGGAAGTAAAAGTAAACAAGAAGACTCTTGATG  
AAGAAGGAAAACAGCAGCAGTCGTTTCATCTGTAATCACAAGGACCACAAGTAAAGAAGATTTTACCAAACA  
GAGACCTGGAGAAAAAGCAGGAAAAATCTTCAGTTACTGAAGGACATGCAAACCTTACAGAATTCATTA  
CAGAGTAGTAATGTGTGTTGGGATTAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001108124

**Insert Size:** 1500 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).

**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\\_001108124.3](#), [NP\\_001101594.2](#)

**RefSeq Size:** 2519 bp

**RefSeq ORF:** 1500 bp

**Locus ID:** 315423

**UniProt ID:** [B4F7A7](#)

**Cytogenetics:** 8q12

**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 (By similarity).[UniProtKB/Swiss-Prot Function]