

## Product datasheet for **RN209096**

### Cep55 (NM\_001025646) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cep55 (NM_001025646) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cep55
Synonyms:	RGD1305340
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN209096 representing NM\_001025646  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTCCTCCAGAAGTCCCAAAGATTTAATTAAGCAAAATGGGGATCGAGGCCTAGCAGCTCCAAGTCAG  
ACACTGCGCTAGAGAAATTTAAGGGAGAAATTGCAGCCTTCAAAACATCCCTGGATGAAATCACCAATGG  
GAAAGGAAAAGTGGCCAATAAAGACAGAAGCAAATCTTGAGAAAATCAAGTCTTGAAGCCGAGAGA  
GAAAAGAATGTTTATTACCTCATGGAGAAGGACAAAGAAATACAGAGACTCAAAGACCACCTAAGGTCAA  
GATATAGCTCTTCGTCATTGCTCGAGCAGCTGGAGGAGAAAACCAAGGAGTGTGAGAAGAAGCAGCAGTT  
GCTGGAGTCCTTATCCAGAGAGACAGATATCCTGAAAAAGCAGTTGTCTGCCACGACGAAAAGACTTTCC  
GAATTGAAAGCAAAGCCAGTACACTCCACCTATCGCAGAGCGTGCCTGCAAAGTCTTCAACTCATCAA  
TGAATAGTATTGATAAAGGAAATGCAGCTGAAAGATGCTCTGGAGAAAATCAGCAGTGGCTTGTGTA  
CGACCAGCAGCGAGAAGCCTACGTTAAAGGGCTTTTAGCAAAGATCTTTGAGCTTAAAAAGAGAACAGAG  
ACTGCCGCTGTTCCCTCCCACAGCAGATGAAAAAGACTGAATCAGAAGGTTATCTTCAAGAGGAGAAGC  
AAAAATATGATCATCTCTTGAAAAATGCCAAAAAGATCTTGAAGTTGAGCGACAAACCGTAACTCAGTT  
GCGTTTAGAACTGGATGAATTTGAAAGGAAATATGAAGAACTCAAAAAGAGTTGAAGATTTAAACCAG  
CTGTTGAGTTCTCAGCGCAAGGCAGACATACAGCACCTGGAAGAGGACAAGCATAAGACGGAGAAAATCC  
AGAAGCTCAGGGAAGAGAGCAGTGTCTTCAAGGGGAACTGGAAGAGGAGAGGAAGAAGTCTGAAGAGCT  
TTTATCTCAGGTCGAATTTCTCTACGATTCTCTGTTAAAGCACCAGAGGAGCAGAGCAGGTTGGCTCTG  
CTGGAACGGCAGATGCAGGCATGTACTTAGACTTTGAAAATGAAAAGTCAAAATACACAGTTGGAATCCTTGA  
ATCAGCTGTATGTGATTCTTAAGGAGCTCCGAAAAGCAAAAAGTCAAATAACACAGTTGGAATCCTTGA  
GCAGTACATGGATTTACCTTACAGAGCAGCCGTTCCCACTCCAGGGAGAGCCTGAAAACAGAGTGAAA  
GCTACCTCACCTAAGAGTCCCACTGCTGTTCTCAACGAAAGCCTAGTGGATGTCCCAAGTGCAGCGTAC  
AGTACCCAGCCACCGAACATCGAGACCTGCTTGTCCATGTGGAATACTGCATGAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001025646

**Insert Size:** 1389 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\\_001025646.1](#), [NP\\_001020817.1](#)

**RefSeq Size:** 2481 bp

**RefSeq ORF:** 1389 bp

**Locus ID:** 294074

**UniProt ID:** [Q4V7C8](#)

**Cytogenetics:** 1q53

**Gene Summary:** Plays a role in mitotic exit and cytokinesis. Recruits PDCD6IP and TSG101 to midbody during cytokinesis. Required for successful completion of cytokinesis. Not required for microtubule nucleation. Plays a role in the development of the brain and kidney.[UniProtKB/Swiss-Prot Function]