

Product datasheet for **MC202161**

Cep55 (NM_028760) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep55 (NM_028760) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep55
Synonyms:	1200008O12Rik; 2700032M20Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031396 sequence for NM_028760
 GTGGTTCCGGCCTCGGCCGGGGAGGGGAGGGGAGGACAGCCGGGGCTCGTTAGCCCCTGGGCAGGACTAGA
 CCTCCCGGGGGAGCGCTGGTGAGCAGATCACGCCGAGGACTCCGTCTCCCCTGGCTGGAATCGCTGGA
 ACACATGCTGGCTCCCTGAGAGACCCCGCGCTGCGTTCCTGTGACCCGCCGGCCCGCAGGCCATCCTTTC
 GGCTCCTTTGAACTTGGCGGTGCCTGTAACCTATAACCTGGGAGGCTGAAGCAGGAGGCCTGTGAGTTC
 GGTGCCACCCAAGTTACGTAGTGAGTCCAGACTCTCCTGGGCTGCCTTGAGAGATCTGTTGCAAAATAT
 CAGCAAAAACAAATCATTGCAACGATGTCTTCAAGAAGTCCCAAAGATTTAATTAAGCAAAATGGGGAT
 CAAGGCCTAGTAGCTCCAAGTCAGACACTGCATTAGAGAAATTTAAGGGAGAAATTCAGAGCTTTAAAAAC
 ATCCCTGGATGAAATCACCTCTGGGAAAGGAAAAATGGCCGAAAAAGACAGAAGCAGACTTTTGGAGAAA
 ATCCAAGTTCTTGAAGCCGAGAGAGAAAAGAATGTTTATTACCTCCTGGAGAAGGACAAAGAAATACAGA
 GACTCAAAGACCACCTAAGGTCAAGATATAGCTCTTCTTATTGTTGAGCAGCTGGAAGAGAAAACAAA
 GGAATGTGAGAAGAAGCAGCAGTTGCTGGAGTCTTATCCAAAGAGACAGATGCCTGAAAAACCAGCTG
 TCCGCCACGACGAAAAGACTTTCTGAACCTGAAAGCAAAGCCAGTACACTCCACCTGTACAGAGCATGC
 CTGCAAACTGCTTCAACTCCTCAATGAATAGTATTCATGAAAAGGAGATGCAGCTGAAAGATGCTCTGGA
 GAAAAACCAGCAATGGCTTGTGTATGATCAGCAGCGAGAGGCCTACGTTAAGGGCTTTTAGCAAAGATC
 TTCGAGCTGGAAGAGAAACAGAGACAGCCGCTGCTTCCCTCACACAGCAGATGAAGAAGATTGAATCAG
 AAGTTATCTTCAAGTGGAGAAGCAAAAATATGATCATCTCTTGGAAAATGCCAAAAAGATCTCGAAGT
 TGAGCGACAAGCCGTGACTCAGTTGCGTTTAGAACTCGATGAATTTCAAGGAAATACGAAGAAGCTCGA
 AAAGAAGTTGAAGACTTAAATCAGCTGTTGAGCTCTCAGCGAAAGGCAGACATCCAGCACCTGGAGGAGG
 ACAAGCAGAAGACGGAGAGGATCCAAAAGCTGAGGGAAGAGAGCAGTATCTTCAAGGGAAAGCTGGAAGA
 GGAGAGGAAGAGGTCCGAGGAGCTCTTATCCCAGTCCGAATCTCTACGATTCTCTGTTAAAGCACAA
 GAGGAGCAGGCCAGGGTAGCTCTACTGGAACAGCAGATGCAGGCATGACTCTAGACTTTGAAAAAGAAA
 AACTCGACCGCCAGAATATGCAGCATCAACTCTATGTGATTCTTAAGGAACTCCGAAAAAGCAAAAAGTCA
 AATAACACAGTTTGAATCCTTGCAGCTACATGGGTTTACCATCACAGAGCAGCCATTCCCACTCCGAGA
 GAACCTGAAAGCAGAGTGAAGTCACTCACCCAAAAGTCCCAAGTCTGCACTCAATGACAGCCTAGTGG
 AATGTCCCAAGTGCAGCGTACAGTACCCAGCCACCGAGCATCGAGACCTGCTTGTCCATGTGCAATACTG
 CATGAAGTAGCAGAACCATTCTTGCCTTGTGCTGAAAAAGTCCCACTGTATTCTATGTTTCTTTATAG
 GCACTTTAAACCACAGATGACATCTTTTATAAAGAACTCCATCTGCCCTTGGCACTCTGGCATATGAG
 GGCATCCTTGTATTTTTCTGGCCACTTTGCATTTCTTGGTAGCCATTCTCCCTGAGTTGGTTCGTCAT
 CAGGCTGCAGTGACAGATTGTGGTGAGCAGTGGCTATCCAACTGTAGCACTTACAGCTGTTCTAATGA
 CTAGCATTTCACACGGTCTTCTACTTGATAAGCAAGAGCTATTTGGGTTTTTGGTTATGGCTTAAAGCT
 ACTGAGCAGTAAGCAAACATTTTATGCTTTGGGGTTTTAAGAGAATCAGAAGGTAAATTAACCATGGATC
 TTACTTTTTTTTTGTTTTAAATAAGTGCTTTGTATACTGACACTTCCATTTGATACCTCTTGCTATTGTA
 GAACGGTTACTAGCAAAGTTGGGAAGTTTTGTAATGTTGAGTGCTGTTAACTGTTCTAAGCACAAGCAG
 GTTTTGTTGAAGAAATGCCTTTAAGTGGCTGTATTTTTACTCCTATTACCTGGCCATAACTTTGACTT
 AAATTTCAATAGTACAGGTCAAGTTTCTAAAATGCCAAAATGAACAAAACCTTAGCAAACTATCTTGCC
 TCATTTGATTTGCAGGGATTTTATTATATCATTTTGTGTTTTGTTTTGTTTTAGCACTCTTAAAGATGGT
 TGGGCAGTGTAATTATCAGATGTTTGTGTTTCTAAATAGATATTTTATATGCTTTATGTAACCAAAA
 TGTGTTTTATTCTTCAGATTTTCTAACATGCTTACACTTGGGCTACTATTTAGCAATATGAAGGAGGAA
 ATAATAAAATTTAATAAGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028760

Insert Size: 1386 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:	<ol style="list-style-type: none">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:	<u>BC031396</u> , <u>AAH31396</u>
RefSeq Size:	2713 bp
RefSeq ORF:	1386 bp
Locus ID:	74107
UniProt ID:	<u>Q8BT07</u>
Cytogenetics:	19 C2
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]