

Product datasheet for MC203364

Cep120 (NM_178686) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep120 (NM_178686) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep120
Synonyms:	A230075C01; AU016693; Ccdc100
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC053439
 CGGCGGCGTCCGCTCGGCTGCCGGGCGTTTGAATAGCGGCTTAGCAGGCGGCAAAAAGACCCCTGCCGC
 CGCGACCATGGTCCCAAGTCCGACCAACTGCTCATCGTCGTATCCATCCTCGAAGTCCGCAATTTCCCC
 AAACGTCCAAAGCATCTGCTCGTGGTGAAGCAAAGTTTGATGGGAGCAGCTGGCTACTGATCCTGTCTG
 ACCATACTGACCAAGCAGAAATTTGCTACTGAGCTAGCCTGGGAGATTGACAGGAAAGTCTTCATCAGCA
 CCGGTTACAGCGCAGCCGATCAAACCTCAGTGTCTTGCCTTGGACCCGAGACTTCTGCCAAGGAAACC
 GTAGGCTACATTGTTTTGGACTTAAGAACAGCTCAAGAAACAAAGCAGGCTCCCAAATGGTACCAGCTGC
 TGAGTAACAAATACACCAAGTTCAAGGCCGAGGTGCAGATCAGCCTCACTTTGGAGACAGATACAAAGGC
 CCAGGTGGATAGTTATAAAGCAAAGCAGCCCCGCTCGGGATGGAAAAGTTCTTGTAGCCTGGCAGGA
 GTTGACCCGAAGGACATTGTTGCAGTATTGAATGAGGAAGGAGGCTACCATCAGATTGGACCAGCGGAGC
 ACTGTACTGACCCCTTTATTTTGTGGTGACGATTGCATTTGCCACCCAGTTGGAACAGTTAATTCCATG
 TACCATGAAGCTTCCAGAAAGGCAGCCTGAGTTTTTCTTTACTATTCTTTACTGGGAAACGATGTTACA
 AACGAGCCTTTCAGTGATTTGATCAACCCAAACTTTGAGCCCAGAGGGCATCTGTTTCGTATACGACGA
 GTGTGGAGATTCTGCGTGTGTACCTGGCTCTTCACTCTAAACTGCAGATCCATCTCTGCTGTGGAGACCA
 GTCACCTTGGCAGTACAGAAATACCTTTAAATGGATTACTGAAGAAGGGCAGTACAGAGATTAACCAGCAT
 CCGGTCACAGTAGAAGGTGCTTTTACCCTTGACCTCAAACCGAGCCAAGCAGAAGCTAGCTCCAGTCC
 CTCTGGACCTGGCCCCAACTGTGGGCGTGTCCGTGGCTCTGCAGAGAGAAGGCATCGATTCCCAGTCTTT
 AATTGAATTAAGACCCAGAATGGACATGAGGCAGAACATTCACAGAAGAGAGTTTTAACCCCATAAAG
 GAGAAGCACTCACTGGGCCAAAATCACAAGGGAGTCCCCTGCCCGCCCCACCTCAAACCCAGACGC
 CTCCAACCAAGGATGATGCAACAGAAAAGTGAAGTGGAGAGCCTGCAGTATGACAAGGATCCAAAGCCAC
 TGTGAAGGGCATCGTTCTGTACCTGCTTCCGCTGGCCAGCCAGAGGCCACCTGTGGTGCCTCAGAAGTG
 GTGACATCAGGACAGAAGATTGCTGTTCCAGCGCGTCACACCACTTCTGCTTCTCAGTAGACTTAAGAA
 GCGTCCATGACTTGGAACTCAGTTTTCCAGTCAACTGCATATTGAGGTAATCCTACCCATTCTTCGGCAG
 TGCAGCTCCTATTATGACTAACCTCCCGTAGAAGTTCGGAAAAACATGGAGGTTTTTCTCCTCAGTCT
 TACTGTGCGTTTTGATTTGCAACTATGCCTCACCAGCTCCAAGACACCTTCTACGGATTCTCTGCTGG
 TGGAGTTATGGCACAAGGATAAAATGAGTAAAGATTTACTCCTTGGGGTGCAGAAGATCCAGCTTTCTAA
 TATCTTGTCTTCAGAAAAGACCCGGTTTTTAGGTGCTAATGGTGAGCAGTCTGGCGACAGACGTACAGT



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GAGAGCGTGCCTGTGATAGCAGCCAGGGGTCAAATAACAGGATATTAGACCTTTCTTATACAATGACAC
 TGAAGACTATGGCCTAGTGAAATGCGTGAGATCTTTGTATCGGAGTCATCTCAGGGTGTGCCTGCTGT
 GGATCAGAAGCCATCTTCGCCTCCTCCCCTGCCCTTTGAGATCCAGATGGAACCCAGAGAGACC
 TTAGAGTACAAGGCTGCCTCGAGCTGGAGATGTGAAAGAGATGCAGGAAGACATATTTGAAAGTCAGC
 TGAAGCAAAAAGAACTGGCTCACATGCAAGCTCTTGCAGAAGAGTGGAAAAAGGGACCGGAAAGAGA
 GTCCTAGTGAAGAAAAAGTGTAGCTGAATACAGTATTCTAGAAGGCAACTTCAGAAGCCCTCACGGAG
 CTAGAGACCCGTGAGCAGCAGCTGGCCAGTGCAGAAGCAGAGCTTCAGAGAGAGAGAAAGGAGCTGCAGT
 TAGAACGGGAGCGAACCTTCAAGAGCTGCAGGACTCTGTCCGAAGGGCCAGAGACGACTGTGTGTACCA
 AGTGGAGCTGGAGAGGCTGAAGCTGAAGCAGCTGGAAGAGGACAAACAGCGGCTTCAGCAGCAGCTTAAT
 GATGCTGGCAATAAGTATAAGACTTTGGAAAAAGAGTTTCAGCAGTTCAAGGATCAACAGAAACAACAAAC
 CAGAAATCCGGCTGCAGTCAGAAATAAACCTCCTCACCTTGGAGAAGGTTGAACTTGAAAGAAAGTTGGA
 ATCTGCAACCAAGTCTAACTGCATTACAAGCAGCAGTGGGGCCGAGCTTTGAAAGAACTTGCCAGACTA
 AAGCAGAGGGAGCAAGAAAGTCAAATGGCCCGCTTAAAAACAGCAGGAGGAGTTGGAGCAGATGCGGC
 TCGTTACCTGGCGCTGAGGAGAAAGAAACAGTGAAGTGCAGCAGGAACTGCTGGATATAAGGAA
 CGAGCTGAACAGTTAAGGCAGCAAGAACAAGACAGTACCAGGACTGCAAGAGATTGCAAGTGGGAAG
 CTGGGCAGCCCGAGGGGCTCTGGGCTGGAAGAAGGCTTGATGACTACCTGACACGCCTGATAGAGGAAA
 GGGACACTCTGATGAGAACGGGTGTCTATAACCATGAGGACCGCATAAATAGTGAACCTCGACCGGAGAT
 CAGAGAGGTTTTGACAAAAACAGTGCCAGTAAAAAACACCGGGGAAACGTTTGAGATACGCTAGGTC
 TGCAGTTTGATATTTTGTAAAATCCTCAAAAGCAAGGGAAGTGGCTACTTTGGAATGCTCTTTATAATTT
 TTATAAGCTGAATTTTATATGTTACTGTATATAGTATTTATTTGATTTTACTTACGCTACCTCTCCAATG
 CTGGCTTCATTTTAAATGTGTTTTATATGCTCATTTAAAATGACTTTTCAGTGTTCTTCAGTTTAAAATC
 TGTTGTTGACTTTAAAAACAGCCTTTCACAACCTTGCCAGGAGAACTGACCACAGTAGTCCCAGTGT
 ATATTTTTATGTTGAGCCAAGAGAGAATATGTTGCACTTTAAACACGCTGTGTCTGCTCCCTTTGAGT
 GTAGATATCTTCAAGTTGAAGCCAATTATAAGTGTAGCCATTTTTAAAAAGCATTATATGACCAGTCTT
 TTTCCCTCAACCTGTGGTATTTGCAGATGACAACCTTTGAAAATAAAGCAGTCTCGGGCAGAGACGCTGT
 GTGACATGTTGGCTGACAAATTAGTCATTGCTTAAACACAGTTTCATGCAGATTAACACAAATCAAGTTC
 CAAATTTTATTGGACTCCACTTGAAGACCATGAGAAAATAGCTTGGTCTGACCACAATCTCCTGCTCATG
 ACTCTCTGAGGCTTCTTGTAAAATGGTTGCCTTTGTTTCTCAGTGATAGCGATACAGCTCAGGAATGGA
 CTATGGAACCTGATACCTAGCGACATTAGCTGAGAACACCACGGAGCTGCTTCCCTCCCTCTGCAGTCAG
 TCTGTTTTCAGAGGCACCCAGCGAGCCAGTGAAGCCCGTAACCCTCCAGAGCTCCTTACACTGCGC
 TCTCAAACACCCCATCCTCACAGCGAGCTTATCCCTACCTCTGCGTGACACTGAGCAGGCAGATTAGC
 AATCTCCAGGTCATGCAGCATCTTGAACAAAAGTAAGAATTCTGATCCAAAAATAACAAATTTAAGT
 GTATACTTTAGCAGGTGTGTAATAATTACCAGTAACTTCAACACAAGCAAGCAGGTTACATGGTAAATGT
 TCATTCAGTATATTTCTTGTGTTGAAATTGAAACCTCTATAGGCATCATATGCTTCTTGTCTTTAAACA
 AGTCTTTGCTTCTAAGAGCAACCCCGCAGTAAACAACAGAGGGGTTGCTGGACTTGAGGGTGACGAGAC
 AGATGATCATAGCAGGATTTGAAATATGAATTATGGTTACATGGTCTGATTTTTTTTTTTTGGTGACA
 TGAATGGAACAGAAGTATTTGTTTTAGAAGTCTGGCCAGCGTTGGTTCTTCTCCTGTATCCTGTG
 AGGCCTGGAGCTTTTCAAACACTAGAGGGGGCCTTAGAGTAAGTGGAAAGGACTTCTAAAATGTGTGTGT
 GCTTTGCCTTCCAGAAAGCCATCTTTGGGCTACTGTAATATGACAAATAAAATCCTCACTGTGTGCATCC
 TTGAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_178686
- Insert Size:** 2967 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>BC053439</u> , <u>AAH53439</u>
RefSeq Size:	4572 bp
RefSeq ORF:	2967 bp
Locus ID:	225523
UniProt ID:	<u>Q7TSG1</u>
Cytogenetics:	18 D1
Gene Summary:	Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors and for proper positioning of neurons during brain development. Also implicated in the migration and selfrenewal of neural progenitors. Required for centriole duplication and maturation during mitosis and subsequent ciliogenesis. Required for the recruitment of CEP295 to the proximal end of new-born centrioles at the centriolar microtubule wall during early S phase in a PLK4-dependent manner (By similarity). [UniProtKB/Swiss-Prot Function]