

## Product datasheet for **SC100326**

### CEP120 (NM\_153223) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEP120 (NM_153223) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP120
Synonyms:	CCDC100; JBTS31; SRTD13
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_153223, the custom clone sequence may differ by one or more nucleotides

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ATGGTCTCCAAATCCGACCAATTGCTCATCGTCGTGCCATCCTAGAAGGTCGGCATTTCCTCCAAACGTC
CAAAGCATATGCTTGTAGTGAAGCAAAGTTTGATGGAGAACAGTTGGCTACTGATCCTGTGGACCACAC
TGACCAGCCAGAATTTGCTACTGAGTTAGCTTGGGAAATTGACAGGAAAGCGCTTCATCAGCACAGGCTA
CAGCGTACTCCTATCAAACCTCCAATGTTTTGCCTTGGATCCTGTAACCTCAGCCAAGGAAACCATAGGTT
ACATCGTTCTGGATTTAAGAACCCTCAAGAAACAAAGCAGGCACCAAAATGGTACCAGTTGCTGAGTAA
TAAATACACCAAATCAAGTCTGAGATACAGATAAGTATTGCTTTGGAAACCGATACAAAGCCACCAGTG
GATAGCTTTAAAGCAAAGGGGGCTCCCCCTCGAGATGGAAAAGTACCTGCCATCCTGGCTGGACTTGACC
CCAGGGACATTGTGGCTGTGCTGAATGAAGAGGGAGGCTACCATCAGATTGGACCAGCAGAATACTGTAC
TGACTCCTTTATTATGTCAGTGACCATAGCATTGCTACCCAGTTGGAACAGTTAATTCATGTACCATG
AAACTCCAGAAAGACAGCCTGAGTTTTCTTTACTACTCTTTACTGGGAAATGATGTTACAAATGAAC
CCTTCAATGATTTAATCAACCCAACTTTGAGCCAGAGAGAGCATCAGTTCGCATCCGTAGCAGTGTAGA
AATTCCTCGTGTTACCTGGCTCTTCAGTCTAAACTGCAGATTACCTCTGCTGTGGAGACCAGTCACTT
GGAAGTACAGAAATACCTTTAACTGGATTACTTAAAAAGGGCAGTACAGAAATCAACCAGCACCCAGTCA
CAGTCAAGGTCCTTTACCTTGACCCTCAAACAGAGCCAAACAGAAAGCTTGACCTATTCTGTGGA
GCTAGCCCAACTGTGGGAGTGTCTGTGGCTCTGCAGAGAGAAGGCATAGACTCCCAGTCTTTAATTGAA
TTAAAGACCCAGAATGAACATGAGCCAGAGCATTCAAAGAAGAAAGTTTTAACCCCATAAAGGAGAAGA
CACTTACTGGCCAAAATCACCACAGTGTCCCCTGTTCCATCTCACACCAGTCACCTCCAACAAAAGA
TGATGCAACAGAAAGTGAAGTGGAAAGTTACAGTATGATAAGGACACCAACCAAAATCCAAAAGCCAGT
TCTTCTGACTGCTTCACTGGCCAGCTAGTGACTACATCCAATGCTTCAGAAGTACTCAGGACAGAGA
AGATTGCTGTACCAGCAACATCACATCTTTTTGCTTTTCAATAGACTTAAAGGAGTATACATGCCTTGGG
GATTGGTTTTCAATCAACTGTATATTAAGGTAATCCATCTTTGGAAAGTGCAGCTCCTATTATG
ACTAATCCTCCTGTAGAAGTTCGAAAAACATGGAAGTTTTTCTTCCCAGTCTTACTGTGCATTTGATT
TTGCAACTATGCCTCATCAGCTGCAAGACACCTTCTTAAGGATCCATTACTGGTTGAACTATGGCACAA
GGATAAAATGAGTAAAGATTTACTTCTGGGAATTGCGAGAATCCAGCTTTCTAACATCTTGTCTTCAGAA
AAAACGTTTTTTAGGTTCTAATGGTGAACAGTGTGGCGTCAAACCTACAGTGAAGTGTGCCTGTTA
TAGCAGCACAAAGGATCAAATAACAGGATAGCAGATCTTCTTACACAGTACTCTAGAAGATTATGGACT
AGTAAAAATGCGTGAGATTTTTATCTCTGATTCATCTCAGGGTGTATCTGCCGTACAGCAAAAGCCGTCT
TCTCTTCCCTCCAGCACCTTGTCCCTCAGAGATCCAGACAGAGCCTCGTGAACGTTAGAATACAAAGCAG
CACTTGAGCTAGAAATGTGGAAGGAGATGCAAGAAGATATATTTGAAAATCAGCTGAAGCAGAAAGAACT
GGCTCATATGCAGGCTCTTGAGAGGAATGGAAGAAAAGGGACCGAGAAAGAGAATCACTAGTAAAGAAA
AAGGTGGCTGAATATACTATTCTAGAAGGAAAACCTTCAAAAACTCTAATTGACTTGGAGAAGCGAGAGC
AGCAGCTTGCTAGTGTGGAATCAGAGCTTCAAAGAGAAAAAAGGAACTGCAATCAGAACGTCAGCGGAA
CCTGCAAGAATGCAGGACTCTATCCGTAGGGCCAAAGAGGACTGTATTCACCAAGTAGAAGTAAAGG
TTAAAAATCAAACAGCTCGAAGAGGATAAACACCGCCTTCAGCAACAGCTTAATGATGCTGAAAATAAAT
ATAAGATTTTGGAAAAAGAGTTCCAACAGTTCAAGGACCAGCAAAACAACAAACCAGAAATCCGTCTACA
GTCTGAAATAAATCTTCTCACCTTGGAAAAGGTTGAACTTGAAGAAAAGTTGGAATCTGCAACTAAGTCT
AAACTGCATTACAAGCAGCAGTGGGACGAGCTTTGAAAGAATTGCCAGACTTAAACAGAGGGAGCAAG
AAAGTCAAATGGCTCGTCTTAAAAAACAGCAGGAAGAATTGGAACAGATGAGACTACGTTACCTTGCCGC
TGAGGAAAAAGATACAGTAAAAACCGAGCGACAAGAATTGTTGGATATAAGAAAATGAATTGAACAGGTTA
AGGCAACAAGAGCAAAAACAATACCAGGATTCACAGAGATTGCAAGTGGAAAAAAGGATGGCCCCCATG
GCAGTGTATTGGAAGAAGTTTTGGATGATTATTTGACTCGCTGATAGAAGAAAGGGATACTTTGATGAG
AACGGGTGTATAATCACGAGGATCGAATAATAAGTGAACCTGACCCGACAGATCAGAGAGATTTGGCA
AAAAGCAATGCCAGTAATTA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_153223 unedited  
 NGGGATGTCACCATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCACT  
 TACTGGGCCAAATCACCAACGTGTCCCCTGTTCCATCTCACAACCACTCACCTCCAACAA  
 AAGATGATGCAACAGAAAGTGAAGTGGAAAGTTTACAGTATGATAAGGACACCAACCA  
 ATCCAAAAGCCAGTTCTTCTGTACCTGCTTCACTGGCCCAGCTAGTGACTACATCCAATG  
 CTTCAGAAGTAGCTTCAGGACAGAAGATTGCTGTACCAGCAACATCACATCATTTTTGCT  
 TTTCAATAGACTTAAGGAGTATACATGCCTTGGAGATTGGTTTTCCAATCAACTGTATAT  
 TAAGGTACTCATATCCATTCTTTGGAAGTGCAGCTCCTATTATGACTAATCCTCCTGTAG  
 AAGTTCGGAAAAACATGGAAGTTTTTCTCCCACTTACTGTGCATTTGATTTTGCAA  
 CTATGCCTCATCAGCTGCAAGACACCTTCTTAAGGATTCCACTACTGGTTGAACTATGGC  
 ACAAGGATAAAATGAGTAAAGATTTACTTCTGGGAATTGCGAGAATCCAGCTTTCTAACA  
 TCTTGTCTTCAGAAAAAAGTTCGTTTTTGTAGTTCTAATGGTGAACAGTGTGGCGTCAA  
 CTTACAGTGAAAGTGTGCCTGTTATAGCAGCACAAGGATCAAATAACAGGATAGCAGATC  
 TTTCTTACACAGTACTGTAGAAGATTATGGACTAGTAAAAATGCGTGAGATTTTATCT  
 CTGATTCTCNAGGTGTATCTGCCGTACAGCAAAAGCCGTCTTCTCTTCTCAGCAC  
 CTTGTNCTTCAGAGATCCAGACANAGCCTCGTGAACGTTTAGATACAAAGCAGCACTTG  
 AGCTANGAATG

**3' Read Nucleotide Sequence:**

>OriGene 3' genomic read for NM\_153223 unedited  
 ACATCTATGNNACCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTAAAAAATCCTTTTTATTTCTTTAAATCAAGGCCCTCTAGCGTTTGAAAGCAGTC  
 ACAGGCAACACACAATGCAATTGAAAGTAAACAGTCACAGCATTTTACCGCAGACCTTCC  
 AAAACATAAAGGCTTGCTTCTGTTCCATTCAAGTGGCACAAAAATCAATGAGAGAAAAATA  
 GCTAACCAATAATTAATATTGCAATTCCTGCTATGATTAGATTCAATATCCTCTCATT  
 AGTAATTTCTTTATTTACTGCTGGGTATTTTTTACTAGATTAATACTCTGTTAATA  
 AGGAAAAATATAATAAATATAGGGACTTTAATTTCCCTAATAAGAAATATACCTCAT  
 TTGAAATGACCGAAAAATTAATGTTACCATATACCTACTCTGCTTTGATGGAAAGTTATTG  
 GTAACCTCCTAAAGTATATACTTAATTTAACTTTATTATTTGGAAATCAGAACTTTT  
 TAAAGTACATATATTTGAAATCAACCTAATCTGTGACTTTGCTAAAACCTTTTTTCAGTA  
 CTCAGTAAAAGGAGGTGGGAAACGTTGCTTTGAGGACAAATGTTGGCTCTGAAGAATATG  
 ATATAAAGGAACGCTTAAGAGTTTTTATACAGACAGGGCACTGCATAAATCCAATGAGTG  
 AATCTCGTGCGCTTTTAAAACGATTGATTGAAATTAGNCGGAGTAAAAAATAGTTGATT  
 TTCACTCTATTTTTTTCAGCTAAAGTCTTTATGTGTCTGTTTCCAANTNCTATTACAGAGG  
 GTTTAAGCTGACAGCTAGTATTACTATAACTGGAAAATAAAAAGAAAATCTCTATTTTAA  
 CAAAAGAAAACAATGCNACTTGAGGAAAAACCAACGAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_153223

**Insert Size:**

3500 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\\_153223.1](#), [NP\\_694955.1](#)

**RefSeq Size:** 4728 bp

**RefSeq ORF:** 4728 bp

**Locus ID:** 153241

**UniProt ID:** [Q8N960](#)

**Cytogenetics:** 5q23.2

**Gene Summary:** This gene encodes a protein that functions in the microtubule-dependent coupling of the nucleus and the centrosome. A similar protein in mouse plays a role in both interkinetic nuclear migration, which is a characteristic pattern of nuclear movement in neural progenitors, and in neural progenitor self-renewal. Mutations in this gene are predicted to result in neurogenic defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.