

## Product datasheet for **SC113700**

### CEP72 (NM\_018140) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEP72 (NM_018140) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP72
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113700 sequence for NM\_018140 edited (data generated by NextGen Sequencing)

```
ATGGCGCGGGCTGGCCCTCGGCTGGTGCTGAGCGAGGAGGCGGTTCCGGCGAAGAGCGGC
TTAGGGCCTCACCGCGACCTGGCTGAGCTTCAGTCATTGTCTATTCCTGGAACCTACCAA
GAGAAGATCACCCACCTGGGACATTCTCTGATGAGTTAACAGGTCTGAAATCTTTGGAT
CTCTCGCGCAACTCCTTGGTTAGTCTGGAGGGCATTACGTACCTGACTGCATTGGAGAGT
CTCAATCTACTACAACCTGCATCTCCTCGTTGGCAGAAGTGTTTCGGCTCCACGCCTTA
ACCGAGCTCGTGGATGTGGACTTCCGGCTGAACCCCGTGGTGAAGGTTGAGCCTGACTAC
CGCCTTTTTGTTGTGCACCTGCTCCCAAGCTCCAGCAGCTGGACGATCGCCCCGTGAGA
GCAAGCGAGCGGAAGGCTTCCCGACTGCATTTTGCATCAGAGGACTCACTCGACTCCAAA
GAGAGCGTCCCAGCTTCTTTGAAAGAGGGCAGACCACACCACCCAGAGCCAAGTGCACC
GAGGCCTTGCCCAAGCAGAGCCTGGTCATGGATGCGGATGACGAGGCAGTCTGAACCTC
ATTGCAGAGTGCAGTGGGACCTCGGCAGGCTCCCGGGAGCACGAGCTTACGCCAGAAG
GGGCGTGAGGCCGACTCTCGTGGTTCCCAAGAATCCAGACATCTGTTGAGCCCGAGTTG
GTACAGTACCAGTGTGGGACTCTGGGAAGCAGGGCCGTGAGACGAGGAGGAGCAGCTGC
AGAGGGTCTGTCTGGAGAAGATGCCTTGGAGCCAGCTCTGTGGAGAGCTTCCGCCACTG
TACGGAGCGGAGCCAGAGGCCTCCCGTGCACCCAGGCCACACACGTAATTACCCACAC
CCAGACTCCATGGATACCGAGGACTCGGCCTTCTCAGAAGTTGGATTTGTCAGGAGAA
ATGGTGCCTGGTCCCCTGCCAGCCCCGGAAAGTGCAGGAAGCGAAGAATGCCTGTTGGA
AGATTCAGACGTTTTCCGACCAGGAGGGTTTGGGCTGCCCGGAGAGAATCATGGGTCC
TCCGTGCCAAGGAGAGCCTGAGCAGACAGGACAGCTCAGAAAGCAGGAACGGGAGGACC
TTGTCTCAGCCTGAGGCCTCGGAGACTGAGGAGCAGAGGTCTCGGGGTGTACCGACACC
AGAGAGCCGTCTCCCGGTCACACTCGGCTCTACCCGGGAAGAAGACGGCCCTGCAGGCG
GCGCTCCTGGAGACGCTCTTGGACCTGGTGGACAGGAGCTGGGGCGGCTGCAGGTCCTG
CACAGCAACAAGGCATTCTTGCTCAGGCAAGACACATCTTGTCATCTGTTGAAGAATTC
ACAGCAGCTCAGGACAGCTCTGCGATGGTGGTGAAGATGTCGGCTCCCTGGCTCTGGAG
AGTAAGTCCCTGCAAAGCCGCTTGTGAGCAGCAGCAGCAGCACGCCCGGAGATGAGC
GAGGTGACGGCGGAGCTGCACCACGCACACAAGGAGCTGGATGATTTGAGACAACATTTA
GATAAATCTTTGGAAGAGAACAGTAGGTTAAAATCGCTTTTGTGAGTATGAAAAAGGAA
GTGAAGAGTGCAGACTGCAGCCACGTTAAATTTGCAGATCGCTGGACTCAAACAAGT
GTGAAGAGGCTGTGTGGCGAGATTGTGGAAGTGAAGCAGCACCTGGAGCACTACGACAAG
ATCCAGGAGCTACGCAGATGCTGCAGGAGAGCCACAGCTCCCTGGTCAACCAATGAA
CACCTGCTGCAGGAGCTGAGCCAGGTGCGGGCGCAGCACAGAGCCGAGGTGGAGCAGATG
CACTGGAGCTACCAGGAGCTCAAGAAGACCATGGCCCTGTTTCCACACAGCAGCGCCAGC
CATGGAGGCTGCCAGGCCTGCTGA
```

Clone variation with respect to NM\_018140.3

1330 g=>a;1525 a=>g

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018140 unedited  
 TCGGATTTATGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGTTTGA AAC  
 ATGGCGCGGGCTGGCCCTCGGCTGGTGTGAGCGAGGAGCGGTTTCGGGCGAAGAGCGGC  
 TTAGGGCTCACCGCGACCTGGCTGAGCTTCAGTCATTGTCTATTCCTGGAACCTACCAA  
 GAGAAGATCACCCACCTGCGACATTCTCTGATGAGTTAACAGGTCTGAAATCTTTGGAT  
 CTCTCGCGCAACTCCTTGGTTAGTCTGGAGGGCATTTCAGTACACGACTGCATTGGAGAGT  
 CTCAATCTCTACTACAACCTGCATCTCCTCGTTGGCAGAAGTGTTCGGCTCCACGCCTTA  
 ACCGAGCTCGTGGATGTGGACTTCGGCTGAACCCCGTGGTGAAGGTTGAGCCTGACTAC  
 CGCCTTTTTGTTGTGCACCTGCTCCCAAGCTCCAGCAGCTGGACGATCGCCCCGTGAGA  
 GCAAGCGAGCGGAAGGCTTCCCGACTGCATTTTGCATCAGAGGACTCACTCGACTCCAAA  
 GAGAGCGTCCCAGCTTCTTTGAAAGAGGGCAGACCACACCACCCAGAGCCAAGTGCACC  
 GAGGCCTTGCCCAAGCAGAGCCTGGTTCATGGATGCGGATGACGAGGCAGTCTGAACCTC  
 ATTGCAGAGTGCAGTGGGACCTCGGCAGGCTCCCGGGAGCACGAGCTTCAGCCAGAGG  
 GCGTGTAGGCCGACTCTCGTGGTCCCAGAATCCAGACATCTGGTGTAGCCCGCAGTTGGT  
 ACAGTACCAGTGTGGGACTCTGGGAAGCCAGGGCCGTGAGACGAGTAGGAACAGCTGCA  
 GAAGGTGCTGTCTGCAGAAGATGCTTGGAGCCGCTCTGTGGAAGTCCGCCACTGNCCGA  
 CGGGAACAGAGCCCTCCGTGGCCAGGCACACGACTTACCCCA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_018140 unedited  
 CTCTGGCAGCGGCACGCAATCTAGTGTGCGAGTTTTTTTTTTTTTTTTTTTGAACATGTTA  
 TTTGTTTATTAATAAAGATTGCTTGTACACAGAAAATTATTTTCTTTAATTATCATA  
 ATAGCTCTCTTTACATCAGGCAGTAGAACACTGCATTTACTTCATCTCAGGATACTGGA  
 TACAAGATTAATAGTCAGTTTGTCTCAAAATATGTCAATGTGTTCTGTCTGAAAACATGC  
 AGAGGGGCTTGGAGTAATCATATCATTTTACGAGGTGCTTTAGAAAACCAAGCTACAGGT  
 CCTGAATACATTCAAAAATCCTAAATAATTACCAACAGAAGAGAGAAGCTTGGCCAGCC  
 AGTACACTCAGTAAAGAAGTACAAAGGTGCAGACAATGTAACCTTACCAGGAAGCTTAAG  
 GGGTGGCCAGCTTCTCGGCAGGAGTACAGAGGCTGGCAGCCTCCATGGCTGGCGCTGC  
 TGTGTGGAACAGGGCATTGGTCTTCTTGTAGCTCCTGGTAGCTCCAGTGCATCTGCTCCA  
 CCTCGGCTCTGTGCTGCGCCGACCTGGCTCAGCTCCTGCAGCAGGTGTTTCATTGGTGC  
 TGACCAGGAGCTGTGGCTCCTGCAGCATCTGCGTGTGAGCTCCTGGATCTTGTGCTAGA  
 GCTCCAGGTGCTGCTTCAAGTTNACAATCTCGCCACACAGCCTTTCACACTTGTGTTGAA  
 GTCCAGCGATCTGCATATNTAACGTGGCTGCAGTGTCTGCACTTCTCACTTNTTTTTTCA  
 TACTCAACAAAAGCGATTNTAACCTACTGTTCTTCTTCCAAGATTATCTAAAGGTGTCTCA  
 ATCATCCAGCTCCTTGTGTGCGTGGTGCAGNTCCGCCGTNACCTCGCTCATCTCCCGGGC  
 GTGCTGCTGCTGCTCATAAGGCGGCTTTTGAAGGACCTACTCTNCAGACCAGGGAGC  
 CGACTCTCCACCACATG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018140

**Insert Size:**

2100 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\\_018140.2](#), [NP\\_060610.2](#)

**RefSeq Size:** 2366 bp

**RefSeq ORF:** 1944 bp

**Locus ID:** 55722

**UniProt ID:** [Q9P209](#)

**Cytogenetics:** 5p15.33

**Gene Summary:** The product of this gene is a member of the leucine-rich-repeat (LRR) superfamily of proteins. The protein is localized to the centrosome, a non-membraneous organelle that functions as the major microtubule-organizing center in animal cells. [provided by RefSeq, Jul 2008]