

## Product datasheet for **RC205474**

### CEP70 (NM\_024491) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEP70 (NM_024491) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CEP70
Synonyms:	BITE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC205474 representing NM\_024491  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTTCCGGTAGCCCTAAACCCAGGATTCCAGTCAACCATCAGACAGACTCATGACTGAAAAACAGC  
 AGGAAGAAGCAGAATGGGAAAGCATAAAATGTGCTATTGATGATGCATGGCTTAAACCTTTGTCTCTAGT  
 CAAAAGAACAGATCTCAAAGATCTCATTTTTTGACAAACAGTCATCACAAGGATGAGACAGAATTTG  
 AAATTGTTGGTGAAGAAACATCATGTCAACAGAACATGATACAGGAGCTTATAGAACTAATCAACAGC  
 TTAGAAATGAACTTCAGCTAGAGCAAAGCCGAGCAGCCAATCAAGAACAACGAGCTAATGACTTGGAAAC  
 AATTATGGAAGTGTGAAATCCAAAATTGGTGAATTGGAGGATGAATCACTAAGTAGGGCTTGCCACCAA  
 CAGAATAAAATAAAGATCTTCAAAGGAGCAGAAAACCTTACAGGTGAAGTGCCAGCATTATAAGAAA  
 AACGAACGGAGCAAGAAGAACTATTGCTTCTTGCAAAATGGAAGTCTGTAGATTAAGAAAGGAGGAAGA  
 AGATCGCATTGCTACTCAAACAGAGTGTTCCTATCTGTGAAAAGAGTTCCTCATACCGTCTGGAT  
 AGACAGTTGCTTTGTCTAATTGATTACTATGAATCTAAAATTAGAAAAATTCATACACAAAGGCAATATA  
 AAGAAGATGAAAGTCAGTCAGAAGAAGAAAACGACTACAGAAATCTGGATGCCTACCAACTTATAAAGG  
 CCTTTAATGTCATTACAGAATCAACTCAAGGAATCAAAATCTAAGATTGATGCACTTTCAAGTGAAGAG  
 CTGAACCTCCAAAAAGATTTGGAACCAGGCCTACGCAGCATGAATTAAGACTTTATAACAGCAGGTGA  
 AGAAGCTGGAAAAAGCCCTTAAGAAAAACGTCAAATTACAGGAGCTTATTAATCATAAGAAGGCTGAGGA  
 CACAGAGAAGAAAGATGAGCCCAGCAAAATAATCAGCAACAGGCCCTAATTGACCAGAGATACTTTAG  
 GTGCTGTGTAGCATCAATTCAATTATCCACAATCCAAGAGCTCCAGTAATAATTTATAAACAGACCAAAG  
 GGGGAGTCCAAAATTTAATAAAGATCTTGTTCGAAGATTGGATTGGAGCATCTTGTCTGTAAATAGA  
 AATGTGGCAGATCAACTGACATCCTTAAAGGATTTGTATAAGTCTTGAACACTATCTGCAGAACTG  
 GTACCTTGGCTTAATTTGAAGAAGCAGGATGAAAATGAAGGTATCAAAGTTGAAGATTTGTTGTTATAG  
 TAGATACTATGCTGGAAGAAGTTGAAAATAAGGAAAAGGACAGCAATATGCCACACTTTCAAACCTTGCA  
 AGCTATTGTTTCTCACTTCCAAAAGTTATTTGATGTGCCTTCTTAAATGGAGTCTATCCCCGAATGAAT  
 GAAGTTTATACTAGGCTTGAGAAATGAACAATGCTGTGAGAACCTCCAAGAACTTTAGAAATAGATA  
 GTTCATCCTCATTGTGTGTGCTAGTAAGCACTGTTGAAAACCTGTAGGCTGATTAATGAAGATGTGAA  
 TGAGCAGGTTATGCAGGTATTAGGACCTGAAGACCTCCAGAGCATTATCTACAAATTGGAAGAACACGAG  
 GAATTTTTCCAGCATTTCAGGCATTTACTAATGATCTACTTGAATCTTAGAAATTGATGACTTGGATG  
 CCATTGTACCTGCAGTAAAGAAATTAAGTACTTTTCATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC205474 representing NM\_024491  
 Red=Cloning site Green=Tags(s)

MFPVAPKPDSSQPSDRLMTEKQQEEAEWESINVLLMMHGLKPLSLVKRTDLKDLIIFDKQSSQRMQRNL  
 KLLVEETSCQQNMIQELIETNQQLRNELQLEQSRANQEQRANDLEQIMESVKSIGELEDESLSRACHQ  
 QNKIKDLQKEQKTLQVKCQHYYKKRTEQEETIASLQMEVCRLKKEEEDRIVTQNRVFAYLCKRVPHTVLD  
 RQLLCLIDYYESKIRKIHTQRQYKEDESQSEEEENDYRNLASPTYKGLLSLQNLKESKIDALSSEK  
 LNLQKDLERPTQHELRLYKQQVKKLEKALKKNVKLQELINHKAEDTEKKDEPSKYNQQALIDQRYFQ  
 V LCSINSIHNPRAPVIIYKQTKGGVQNFNKLVDQCGFEHLVPVIEMWADQLTSLKDLYKSLKTLSAEL  
 VPWLNKQDENEGIKVEDLLFIVDTMLEEVENKEKDSNMPHFQTLQAIVSHFQKLFDVPSLNGVYPRMN  
 EYVYRTRGEMNNAVRNLQELLELDSSSSLCVLVSTVGKLCRLINEDVNEQVMQVLGPEDLQSIYKLEEH  
 EFFPAFQAFTNDLLEILEIDDLDAIVPAVKLKLKLVLSY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8113\\_a03.zip](https://cdn.origene.com/chromatograms/mk8113_a03.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_024491

ORF Size: 1791 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_024491.4](#)

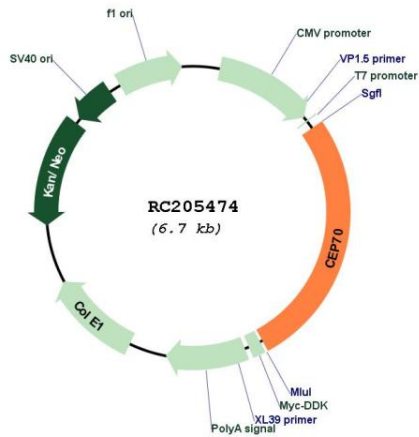
RefSeq Size: 2678 bp

RefSeq ORF: 1794 bp

Locus ID: 80321

**UniProt ID:** [Q8NHQ1](#)  
**Cytogenetics:** 3q22.3  
**MW:** 69.6 kDa  
**Gene Summary:** Plays a role in the organization of both preexisting and nascent microtubules in interphase cells. During mitosis, required for the organization and orientation of the mitotic spindle. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC205474