

## Product datasheet for **SC336864**

### CEP70 (NM\_001288964) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEP70 (NM_001288964) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP70
Synonyms:	BITE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

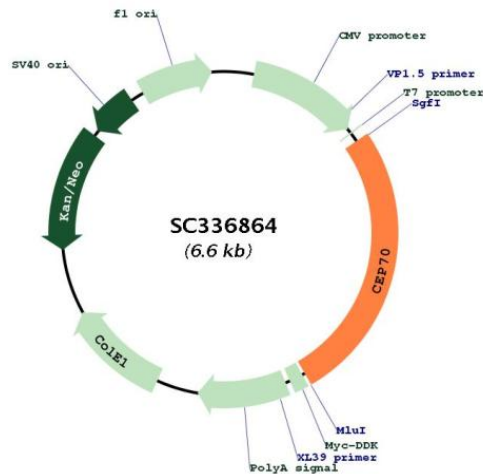


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Fully Sequenced ORF: >SC336864 representing NM\_001288964.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACTGAAAAACAGCAGGAAGAAGCAGAATGGGAAAGCATAAATGTGCTATTGATGATGCATGGCTTA
AAACCTTTGTCTCTAGTCAAAGAACAGATCTCAAAGATCTCATATTTTGGACAAACAGTCATCACAA
AGGATGAGACAGAAATTTGAAATTTGGTGGAAAGAAACATCATGTCAACAGAACATGATACAGGAGCTT
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CGAGCTAATGACTTGGAAACAAATATGGAAAGTGTGAAATCCAAAATTTGGTGAATTGGAGGATGAATCA
CTAAGTAGGGCTTGCCACCAACAGAATAAAATAAAAGTCTTCAAAGGAGCAGAAAACTTTACAGGTG
AAGTGCCAGCATTATAAGAAAAACGAACGAGCAAGAAGAACTATTGCTTCTTTGCAAAATGGAAGTC
TGTAGATTAATAAGGAGGAAGAAGATCGCATTGTCACTCAAACAGAGTGTTCCTATCTGTGCAAAA
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AAAATTCATACAAAAGGCAATATAAAGAAGATGAAAGTCAGTCAGAAGAAGAAAACGACTACAGAAT
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AAGATTGATGCATTTCAAGTAAAAGCTGAACCTCCAAAAGATTTGAAAACCGGCCTACGCAGCAT
GAATTAAGACTTTATAAACAGCAGGTGAAGAAGCTGAAAAAGCCCTTAAGAAAAACGTCAAATTACAG
GAGCTTATTAATCATAAGAAGGCTGAGGACACAGAGAAGAAAGATGAGCCAGCAAAATAATCAGCAA
CAGGCCCTAATTGACCAGAGATACTTTCAGGTGCTGTGTAGCATCAATTCATTAATCCACAATCCAAGA
GCTCCAGTAATAATTTATAAACAGACCAAAGGGGAGTCCAAAATTTAATAAAGATCTTGTTCAAGAT
TGTGGATTTGAGCATCTGTTCCCTGTAATAGAAATGTGGGCAGATCAACTGACATCCTTAAGGATTTG
TATAAGTCCTTGAAAACACTATCTGCAGAAGTGGTACCTTGGCTTAATTTGAAGAAGCAGGATGAAAT
GAAGGTATCAAAGTTGAAGATTTGTTGTTATAGTAGATACTATGCTGGAAGAAGTTGAAAATAAGGAA
AAGGACAGCAATATGCCACACTTTCAAACCTTTGCAAGCTATTGTTTCTCACTTCCAAAAGTTATTTGAT
GTGCCCTCTTTAATGGAGTCTATCCCCGAATGAATGAAGTTTATACTAGGCTTGAGAAAATGAACAAT
GCTGTGAGAAAACCTCCAAGAAGCTTTAGAATTAGATAGTTCATCCTCATTGTGTGTGCTAGTAAGCACT
GTTGAAAACCTGTAGGCTGATTAATGAAGATGTGAATGAGCAGGTTATGCAGGTATTAGGACCTGAA
GACCTCCAGAGCATTATCTACAAATTGGAAGAACACGAGGAATTTTCCAGCATTTCAGGCATTTACT
AATGATCTACTTGAAATCTTAGAAATTGATGACTTGGATGCCATTGTACCTGCAGTAAAGAAATTAATA
GTACTTTCATAC TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001288964

**Insert Size:** 1740 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\\_001288964.1](#)

**RefSeq Size:** 2753 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 80321

**UniProt ID:** [Q8NHQ1](#)

**Cytogenetics:** 3q22.3

**MW:** 67.8 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]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which is shorter at the N-terminus, compared to isoform 1.