

Product datasheet for **SC336855**

CEP70 (NM_001288965) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP70 (NM_001288965) 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: >SC336855 representing NM_001288965.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGACTGAGCAGGAAGAAGCAGAATGGGAAAGCATAAAATGTGCTATTGATGATGCATGGCTTAAACCT
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AGACAGAATTTGAAATTGTTGGTGAAGAAGAACATCATGTCAACAGAACATGATACAGGAGCTTATAGAA
ACTAATCAACAGCTTAGAAATGAACTTCAGCTAGAGCAAAGCCGAGCAGCCAATCAAGAACAACGAGCT
AATGACTTGGAACAAATTATGGAAGTGTGAAATCCAAAATTGGTGAATTGGAGGATGAATCACTAAGT
AGGGCTTGCCACCAACAGAATAAAATAAAAGATCTTCAAAGGAGCAGAAAACCTTACAGGTGAAGTGC
CAGCATTATAAGAAAAACGAACGGAGCAAGAAGAACTATTGCTTCTTTGCAATGGAAGTCTGTAGA
TAAAAAAGGAGGAAGAAGATCGCATTGCTCAAAACAGAGTGTTCCTATCTGTGCAAAAGAGTT
CCTCATACCGTCTGGATAGACAGTTGCTTTGTCTAATTGATTACTATGAATCTAAAATTAGAAAAATT
CATACAAAAGGCAATATAAAGAAGATGAAAGTCAGTCAGAAGAAGAAAACGACTACAGAAATCTGGAT
GCCTCACCAACTTATAAAGGCCTTTTAAATGTCATTACAGAATCAACTCAAGGAATCAAAATCTAAGATT
GATGCACTTTCAAGTGAAGAGCTGAACCTCCAAAAAGATTTGGAAACCAGGCCTACGCAGCATGAATTA
AGACTTTATAACAGCAGGTGAAGAAGCTGAAAAAGCCCTTAAGAAAAACGTCAAATTACAGGAGCTT
ATTAATCATAAGAAGGCTGAGGACACAGAGAAGAAAGTAGAGCCAGCAATATAATCAGCAACAGGCC
CTAATTGACCAGAGATACTTTCAGGTGCTGTGTAGCATCAATCAATTATCCACAATCCAAGAGCTCCA
GTAAATAATTTATAACAGACCAAAGGGGAGTCCAAAATTTTAAATAAAGATCTTGTTCAGATTGTGGA
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ATCAAAGTTGAAGATTTGTTTATAGTAGATCTATGCTGGAAGAAGTTGAAAATAAGGAAAAGGAC
AGCAATATGCCCACTTTCAAACCTTTCAGCTATTGTTTCTCACTTCCAAAAGTTATTTGATGTGCCT
TCTTTAAATGGAGTCTATCCCCGAATGAATGAAGTTTATACTAGGCTTGGAGAAATGAACAAATGCTGTG
AGAAACCTCCAAGAACTCTAGAAATAGATAGTTCATCCTCATTGTGTGTCTAGTAAGCACTGTTGGA
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CAGAGCATTATCTACAAATGGAAGAACACGAGGAATTTTCCCAGCATTTCAGGCATTTACTAATGAT
CTACTTGAATCTTAGAAATTGATGACTTGGATGCCATTGTACCTGCAGTAAAGAATTAAGTACTT
TCATACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001288965

Insert Size: 1734 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_001288965.1](#)

RefSeq Size: 2697 bp

RefSeq ORF: 1734 bp

Locus ID: 80321

UniProt ID: [Q8NHQ1](#)

Cytogenetics: 3q22.3

MW: 67.5 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 (3) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform 3, which is shorter and has a distinct N-terminus, compared to isoform 1.