

Product datasheet for **RC238961**

CEP70 (NM_001288965) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP70 (NM_001288965) 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)



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ORF Nucleotide Sequence:

>RC238961 representing NM_001288965
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTGAGCAGGAAGAAGCAGAATGGGAAAGCATAAATGTGCTATTGATGATGCATGGCTTAAACCTT
 TGCTCTAGTCAAAGAACAGATCTCAAAGATCTCATTTTTGACAAACAGTCATCACAAAGGATGAG
 ACAGAATTTGAAATTGTTGGTGGAAAGAACATCATGTCAACAGAACATGATACAGGAGCTTATAGAACT
 AATCAACAGCTTAGAAATGAACTTCAGCTAGAGCAAAGCCGAGCAGCCAATCAAGAACAACGAGCTAATG
 ACTTGGAAACAAATATGGAAAGTGTGAAATCCAAAATTGGTGAATTGGAGGATGAATCACTAAGTAGGGC
 TTGCCACCAACAGAATAAAAATAAAGATCTTCAAAGGAGCAGAAAACCTTACAGGTGAAGTGCCAGCAT
 TATAAGAAAAACGAACGGAGCAAGAAGAACTATTGCTTCTTTGCAAATGGAAGTCTGTAGATTA
 AGGAGGAAGAAGATCGCATTGTCACTCAAACAGAGTGTTCCTATCTGTGCAAAAAGAGTTCCTCATA
 CGTCTGGATAGACAGTTGCTTTGTCTAATTGATTACTATGAATCTAAAATTAGAAAAATTCATACACAA
 AGGCAATATAAGAAGATGAAAGTCAGTCAGAAGAAGAAAACGACTACAGAAATCTGGATGCCTCACCAA
 CTATAAAGGCCTTTTAAATGTCATTACAGAATCAACTCAAGGAATCAAAATCTAAGATTGATGCACCTTC
 AAGTAAAAGCTGAACCTCCAAAAGATTTGAAAACAGGCCTACGCAGCATGAATTAAGACTTTATAAA
 CAGCAGGTGAAGAAGCTGGAAAAAGCCCTTAAGAAAAACGTCAAATTACAGGAGCTTATTAATCATAAGA
 AGGCTGAGGACACAGAGAAGAAAGATGAGCCCAGCAAATATAATCAGCAACAGGCCCTAATTGACCAGAG
 ATACTTTCAGGTGCTGTGTAGCATCAATTCAATTATCCACAATCCAAGAGCTCCAGTAATAATTTATAAA
 CAGACCAAAGGGGAGTCCAAAATTTAATAAAGATCTTGTTCAGATTGTGGATTTGAGCATCTTGTTCC
 CTGTAATAGAAAATGTGGCAGATCAACTGACATCCTTAAAGGATTTGTATAAGTCCTTGAACACTATC
 TGCAGAACTGGTACCTTGGCTTAATTTGAAGAAGCAGGATGAAAATGAAGGTATCAAAGTTGAAGATTG
 TTGTTTATAGTAGATACTATGCTGGAAGAAGTTGAAAATAAGGAAAAGGACAGCAATATGCCACACTTTC
 AAACCTTTCGCAAGCTATTGTTTCTCACTTCCAAAAGTTATTTGATGTGCCTTCTTTAAATGGAGTCTATCC
 CCGAATGAATGAAGTTTACTAGGCTTGGAGAAATGAACAATGCTGTGAGAAACCTCCAAGAACTTTA
 GAATTAGATAGTTCATCCTCATTGTGTGTGCTAGTAAGCACTGTTGGAAAACCTGTAGGCTGATTAATG
 AAGATGTGAATGAGCAGGTTATGCAGGTATTAGGACCTGAAGACCTCCAGAGCATTATCTACAAATTGGA
 AGAACACGAGGAATTTTCCAGCATTTAGGCATTTACTAATGATCTACTTGAATCTTAGAAATTGAT
 GACTTGGATGCCATTGTACCTGCAGTAAAGAAATTAAGTACTTTCATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238961 representing NM_001288965
 Red=Cloning site Green=Tags(s)

MTEQEEAEWESINVLMMHGLKPLSLVKRTDLKDLIIFDKQSSQRMQRNLKLLVEETSCQQNMIQELIET
 NQQLRNELQLEQSRAANQEQRANDLEQIMESVKSKIGELEDLSRACHQQNKIKDLQKEQKTLQVKCQH
 YKKKRTEQEETIASLQMEVCRLKKEEDRIVTQNRVFAYLCKRVPHTVLDLDRQLLCLIDYYESKIRKIHTQ
 RQYKEDESQSEEENDYRNLASPTYKGLLMSLQNLKESKSKIDALSSEKLNQKDLQLETRPTQHELRLYK
 QQVKKLEKALKKNVKLQELINHKAEDTEKKDEPSKYNQQALIDQRYFQVLCINSIIHNPRAPVVIYK
 QTKGGVQNFNKDLVQDCGFEHLVPVIEMWADQLTSLKDLKSLKTLSAELVPWLNKKQDENEGIKVEDL
 LFIVDTML EEVENKEKDSNMPHFQTLQAI VSHFQKLFVPSLNGVYPRMNEVYTRLGEMNNAVRNLQELL
 ELDSSSSLCVLVSTVGKLCRLINEDVNEQVMQVLGPEDLQSI IYKLEEH EEFPAFAQFTNDLLEILEID
 DLDAIVPAVKKLVLSY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001288965

ORF Size: 1731 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_001288965.2](#)

RefSeq Size: 2697 bp

RefSeq ORF: 1734 bp

Locus ID: 80321

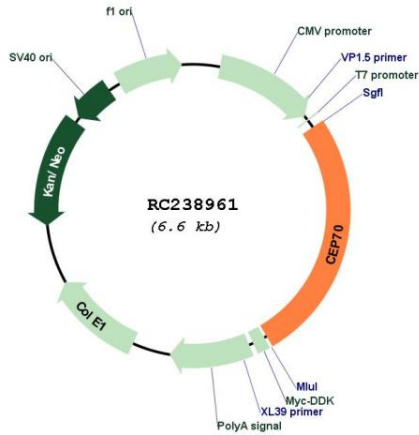
UniProt ID: [Q8NHQ1](#)

Cytogenetics: 3q22.3

MW: 68 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 RC238961