

Product datasheet for **RN200538**

Cep70 (NM_001017470) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep70 (NM_001017470) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cep70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200538 representing NM_001017470
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTGAGGGAACCAAGTATTTTTATTGCCGATCTCTACTTCAGATTCTACAAAAGAACCAGTGTCCA
 CAGTGACTTCTCAAGCCAGGATTCTAGCCTTTCAGCAAACAGACCCGTGACTGAAAAACAGCAGGAGGA
 AGCAGAATGGGAAAGCATCAGTAGGCTGTTGGTGACGCGTGGCTTTAAACCTTTGTGCCTAGTCAAAGGA
 GCCAATCTCAGAGATTTTCATCGTTTTTGACAAACAATCATCACAAAGAATGAGGCAGGCTTTCAAACAC
 TGATGGAAGAAACCACACGTGAGCAGAGCATGTACAGGAGCTCATAGAGACAAACCATCAGCTTAAAG
 TGAAGTTCAGCTAGAACAGAACCAGCGGCACACCAGGAACAGCGAGCCAATGACCTTCAGCAGATCATG
 GACAGTGTGAAATCCAAAATTGGTGAATTAGAAGATGAATCGCTAAACAGGGTTGCCAGGAACAAAATA
 GAATAAAGACCTTCAAAGGAATATAAACGTTACAGATGAAATGCCAGCATTATAAGAAAAACAAT
 GGAGCAAGAAGAGACCATTTGCTTCTTTGCAAAGGAGATCCGCAGATTTGCCAAAGGGAAGAAGATCGT
 GTTATCACTCAAAGAGACTGTTACCCATCTCTGCCGAAGAGTTCCTCATTAGTCTTGATAAACAGC
 AGTGTGGGAGGATGACAGCCAGTCAGAAAGAAAAGACTATCTAACCTGGGCGTCTACCAACCTATAA
 AGGCCTTCTGACGTGCTTACAGAAGCAACTTGAGAAATCCAATCCAAGATCGACGTGCTTGGGTGAA
 AAGCTGAACCTCCAAAAGATCTGGAAAACAGGCCACAGAACATGAAGTGAAGCTTTATAAACAAACAG
 TGAAGAAGCTGGAGAAAACCTTAAGAAAAACATAAAATTACAAGATCTTATTGGTCAAAAAAATCTGA
 TGACATGGAGAAAAGGATGAGCCAGCAAAGACATCCACCAGCAGGCTCTGGTTGACCAGAGATACTTT
 CAGGTGCTGTGCAGCATCGATTCAATCGTTCATAGCCACGAGCCCAAGGAGTCATTTACAAACAGAGCA
 AAGAAAAGAGCCAAAACCGTAGTAAAGATGCTGTTCAAGAGTGTGGATTGCAACATCTTGTCTCTGTAAT
 AGAAATGTGGCAGATGAAGTACATCCTTAAAGGATTTGTATAAGTCCTTAAAAATACTGTCTGCAGAA
 CTGATACCTTGGCATAATTTAAAGAAACCGAATGAAAATGAAGGTGTCAAAGTAGGAGATCTGTTGTTAA
 TGGTAGATACCATGTTGGAAGAAGTTGAAAACAGAAAGAGACCAGCAGCATGCCAAACTCTCAAACCTT
 GCAAGCTATTGTTTCTCACTTCCAAAAGCTGTTTGATGTGCACTTTAAATGGAGTCTATCCTCGAATG
 AATGAAGTGTACGCCAGGCTTGGAGAAATGAACAACGCTGTAAGAAACCTTCAGGAGCTCCTGGGATTAG
 ACAGTTCATCGTCATTGTGTATGGTGGTCAGCACCGTTGGGAAGTTGTGTAAGATGATTAATGAAGATGT
 CAGTGAGCAGATTAACGAGTGTAGGACCTGAAGACCTACAAAGCATTATCAACAAATGGAAGAGCAT
 GAGGAATTTTTCCAGCATTTCAGGCTTTACTAATGATCTTCTGAAATCTTAGAAATGATGACTTGG
 ATGCCATTGTACCTGCAGTAAAGAAATTAAGTGTCTTCATAC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001017470

Insert Size: 1797 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_001017470.1](#), [NP_001017470.1](#)

RefSeq Size: 1934 bp

RefSeq ORF: 1797 bp

Locus ID: 367153

UniProt ID: [Q5PQQ9](#)

Cytogenetics: 8q31

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 (By similarity).[UniProtKB/Swiss-Prot Function]