

Product datasheet for **RR200538**

Cep70 (NM_001017470) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR200538 representing NM_001017470
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTGAGGGAACCAAGTATTTTTATTGCCGATCTCTACTTCAGATTCTACAAAAGAACCAGTGTCCA
 CAGTGACTTCTCAAGCCAGGATTCTAGCCTTTTCAGCAAACAGACCCGTGACTGAAAAACAGCAGGAGGA
 AGCAGAATGGGAAAGCATCAGTAGGCTGTTGGTGACGCGTGGCTTTAAACCTTTGTGCCTAGTCAAAGGA
 GCCAATCTCAGAGATTTTCATCGTTTTTGACAAACAATCATCACAAAGAATGAGGCAGGCTTTCAAACAC
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 GACAGTGTGAAATCCAAAATTGGTGAATTAGAAGATGAATCGCTAAACAGGGTTGCCAGGAACAAAATA
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 ACAGTTCATCGTCATTGTGTATGGTGGTCAGCACCGTGGGAAGTTGTGAAGATGATTAATGAAGATGT
 CAGTGAGCAGATTAACGAGTGTAGGACCTGAAGACCTACAAAGCATTATCAACAAATGGAAGAGCAT
 GAGGAATTTTTCCAGCATTTCAGGCTTTTACTAATGATCTTCTGAAATCTTAGAAATGATGACTTGG
 ATGCCATTGTACCTGCAGTAAAGAAATTAAGTGTCTTCATAC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

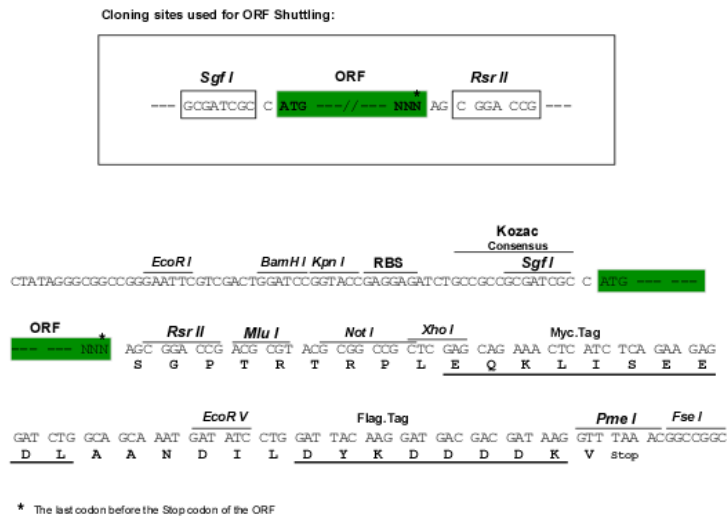
>RR200538 representing NM_001017470
 Red=Cloning site Green=Tags(s)

MTEGTQVFLLPITSDSTKEPLSTVTSQAQDSSLSANRPVTEKQEEAEWESISRLLVTRGFKPLCLVKG
 ANLRDFIVFDKQSSQRMRFQFKTLMEETTRQQSMLQELIETNHQLKSELQLEQNRAAHQEQRANDLQQIM
 DSVKSKIGELEDLNRVCQEQNRKIDLQKEYKTLQMKCQHYKKKQMEQEETIASLQKEIRRFKKEEEDR
 VITQKRLFTHLCRRVPHSVLDKQCCGEDDSQSEGKDYLNLVSPYKGLLTSLQKQLEKSNKIDVLLGE
 KLNLDKLEENRPEHELRLYKQVKKLEKTLKKNIKLQDLIGQKKSDDMEKKDEPSKDIHQALVDQRYF
 QVLCSDISIVHSPRAPGVIYKQSKERAQNRKDAVQECGFEHLVPVIEMWADELTSKDLKSLKILSAE
 LIPWHNLKKNENEGVKVGDLLMVDTML EEVENQKETSMPNSQTLQAIVSHFQKLFVQSLNGVYPRM
 NEVYARLGMNNAVRNLQELLGLDSSSSLCMVVSTVGKLCMKMINEDVSEQIKRVLGPEDLQSIINKLEEH
 EEFPAFQAFTNDLLEILEIDDLDAIVPAVKKLVLSY

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_001017470

ORF Size: 1794 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_001017470.1](#), [NP_001017470.1](#)

RefSeq Size: 1934 bp

RefSeq ORF: 1797 bp

Locus ID: 367153

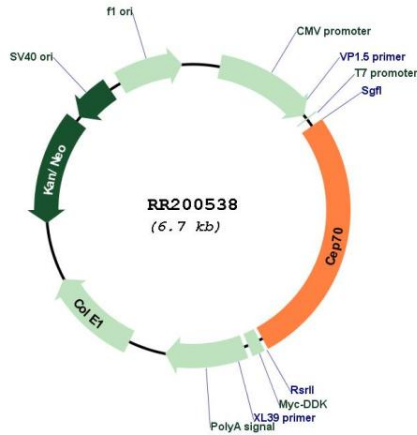
UniProt ID: [Q5PQQ9](#)

Cytogenetics: 8q31

MW: 68.9 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR200538