

## Product datasheet for **MR209892**

### Cep70 (NM\_023873) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cep70 (NM_023873) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cep70
Synonyms:	6720484E09Rik; Bite; C030018L16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209892 representing NM\_023873  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTGAGGGAAGTCAAATATTTTTATTGCCGATCTCTACTTCAGATTCTACAAAAAGAACCGCTGTCTC  
 CAGTAGCCTCTAAAGCCCAGGATCCTAGCCTTTTATCAAACAGACTCATGATTGAAAAACAGCAGGAGGA  
 AGCAGAATGGGAAAGCATCAATGGGCTATTGATGACACATGGCTTCAAACCTTTATGTCTAGTCAAAGGA  
 GCAGATCTCAGAGATTTTCATTGTTTTGACAAACAATCATCACAAAAATGAGGCAGATTTTGAAAAAGCT  
 TGATGGAAGAAACAACACGTGAGCAGAGCATGATACGGGAGCTCATAGAGACCAACCAGCAACTGAAAAAG  
 TGAATTCAGCTAGAACAGAACCAGCGGCACACCAGGAACAGCGAGCCAATGACCTGCAGCAGATTATG  
 GACAGTGTGAAATCCAAAATTGGTGAATTGGAAGATGAATCCCTAACAGGGTTTGCCAGCAACAAAATA  
 GAATAAAAGACCTTCAAAGGAATATAAATGTTACAGATGAAATGCCAGCAATAAAGAAAAACCGAAT  
 GGAGCAAGAGGGGACCATTGCTTCTTTGAAAAGGAGATCCACAGACTTGCCAAAGAGGAGGAAGAGCGC  
 ATCCTCACTCAGAACAGAGTGTTTGCCCATCTCTGCAGAAGAGTCCCTCACTCAGTCTTGATAAAACAAT  
 TGCTGTGTCTAATTGATTACTATGAATGTAACCTTAGAAAACTTCATATACAAAGGCAGTTTGAGGAAGA  
 CAGTCAGTCAGAAGAAAAAGACTTCACAAACCTGGGTGCCTCACCAAAATTATAAAGGCGTTCTGATGTGCG  
 TTACAGAAGCAACTCAAGGAATCCAAATCCAGGATCGAGTGTGGTAGGTGAGAAGCTGAGCCTCCAGA  
 AAGATCTGGAAGAACAGGCCACAGAACATGAATTAAGACTTTATAAACAACAAGTGAAGAAACTGGAAAA  
 AACCTGAAGAAAAACATAAAATTAACAAGATCTTATTGGTCAAAAAAGTCTGATGACACGGAGAAAAAA  
 GATGAGCCAGCAAGAGCAGCCATCAGCAGGCTCTCATTGAGCAGAGCTACTTTTCAGGTGCTGTGCAGCA  
 TCAATTCATTTGTTCAACCCACGAGCTCCAGTGATTATTTATAAACAGAGCAAGGAAGAGCCCAAA  
 CGGCAATAAAGATATTGGTCAAGATTGTGGATTGAACATCTTGTTCCTATAATAGAAATGTGGGTAGAT  
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 CACTTCCAAAAGCTATTTGATGTGCAGTCTTAAATGGAGTCTTCCCGGATGAATGAAGTGTACACCA  
 GGCTTGGAGAAATGAACAACGCTGAAGGAACCTCAGGAGCTCTAGAATTAGACAGTTCATCATCATT  
 GTGTGTGGTGGTGCAGCAGTGGTAACTGTGTGAGATAATTAACAAGGATGTGAGTGAGCAGGTTAAA  
 CAAGTGTAGGACCTGAGGATCTACAAAGTATTATCAAGAAATTGGAAGGCATGAGGAATTTTCCAG  
 CGTTTCAAGCTTTTGCTAATGATCTTCTGAAATCTTAGAGATTGATGACCTGGATGCCATCGTACCTGC  
 AGTAAAGAAATTAAGATCCTTTCATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

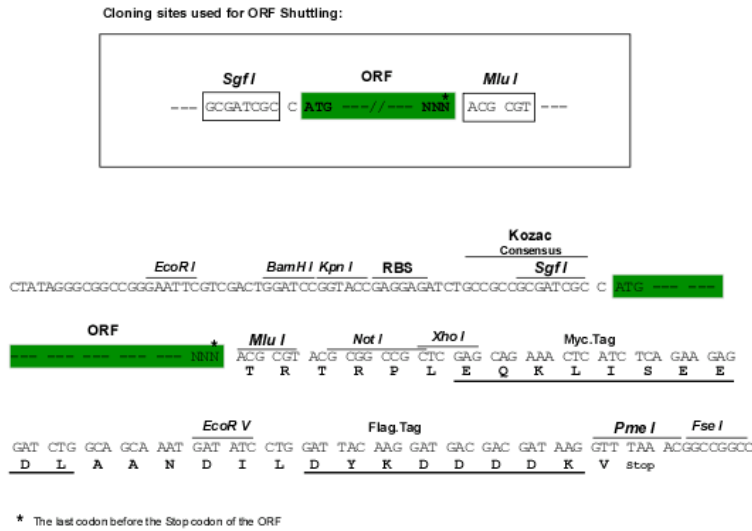
**Protein Sequence:**

>MR209892 representing NM\_023873  
 Red=Cloning site Green=Tags(s)

MTEGSQIFLLPISTSDSTKEPLSPVASKAQDPSLLSNRLMIEKQQEEAEWESINGLLMTHGFKPLCLVKG  
 ADLRDFIVFDKQSSQKMRQILKTLMEETTRQQSMIRELIETNQQLKSELQLEQNRAAHQEQRANDLQQIM  
 DSVKSKIGELEDLNRVCQQNRKIDLQKEYKMLQMKCQQYKKNRMEQEGTIASLQKEIHRLAKEEEER  
 ILTQNRVFAHLRRVPHSVLDKQLLCLIDYYECKLRKLHIQRQFEEDSQSEKDFTNLGASPNYKGVLM  
 LQKQLKESKSRIDVLVGEKLSLQKDLNRPTEHELRLYKQVVKLEKTLKKNIKLQDLIGQKSSDDTEKK  
 DEPSKDSHQQALIEQSYFQVLCINSIVHNPRAPVIIYKQSKGRAPNGNKDIGQDCGFEHLVPIIEMWVD  
 ELTSLKDLYKSLKILSAELVPWHSKKLDEKEGVKVDLLFMVDMLLEVENQKETSSTPNSQTLQAIIVS  
 HFQKLFQVQSLNGVFPVMNEVYTRLGEMNAVRNLQELLELDSSSSLVYVSTVVKLCEIINKDVSEQVK  
 QVLPEDLQSIKKEEHEEFFPAFQAFANDLLEILEIDDLDAI VPAVKKILSY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9090\\_b08.zip](https://cdn.origene.com/chromatograms/mm9090_b08.zip)  
 Restriction Sites: SgfI-MluI  
 Cloning Scheme:



ACCN: NM\_023873

ORF Size: 1848 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\\_023873.4](#)

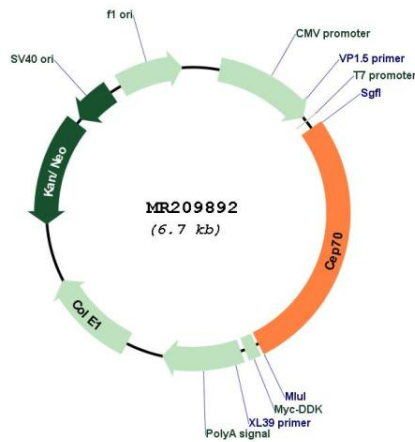
RefSeq Size: 2608 bp

RefSeq ORF: 1851 bp

Locus ID: 68121  
 UniProt ID: [Q6IQY5](#)  
 Cytogenetics: 9 E3.3  
 MW: 71.1 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 MR209892