

Product datasheet for **MC219731**

Cep70 (NM_023873) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC219731 representing NM_023873
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGAGGGAAGTCAAATATTTTTATTGCCGATCTCTACTTCAGATTCTACAAAAGAACCCTGTCTC
 CAGTAGCCTCTAAAGCCCAGGATCCTAGCCTTTTATCAAACAGACTCATGATTGAAAAACAGCAGGAGGA
 AGCAGAATGGGAAAGCATCAATGGGCTATTGATGACACATGGCTTCAAACCTTTATGTCTAGTCAAAGGA
 GCAGATCTCAGAGATTTCAATGTTTTTGACAAACAATCATCACAAAAATGAGGCAGATTTTGAAAACGT
 TGATGGAAGAAACAACACGTGAGCAGAGCATGATACGGGAGCTCATAGAGACCAACCAGCAACTGAAAAG
 TGAACCTCAGCTAGAACAGAACCAGCGGCACACCAGGAACAGCGAGCCAATGACCTGCAGCAGATTATG
 GACAGTGTGAAATCCAAAATTGGTGAATTGGAAGATGAATCCCTAACAGGGTTTGCCAGCAACAAAATA
 GAATAAAAGACCTTCAAAGGAATATAAATGTTACAGATGAAATGCCAGCAATAAAGAAAACCGAAT
 GGAGCAAGAGGGGACCATTGCTTCTTTGCAAAGGAGATCCACAGACTTGCCAAAGAGGAGGAAGAGCGC
 ATCCTCACTCAGAACAGAGTGTTTGCCCATCTCTGCAGAAGAGTCCCTCACTCAGTCTTGATAAAACAAT
 TGCTGTGTCTAATTGATTACTATGAATGTAACCTTAGAAAACCTCATATACAAAGGCAGTTTGAGGAAGA
 CAGTCAGTCAGAAGAAAAGACTTCACAAACCTGGGTGCCTCACCAAATTATAAAGGCGTTCTGATGTGCG
 TTACAGAAGCAACTCAAGGAATCCAAATCCAGGATCGAGTGTGGTAGGTGAGAAGCTGAGCCTCCAGA
 AAGATCTGGAACACAGGCCACAGAACATGAATTAAGACTTTATAAACAACAAGTGAAGAAAACGGAAAA
 AACCTGAAGAAAACATAAAATTAACAAGATCTTATTGGTCAAAAAAGTCTGATGACACGGAGAAAAAA
 GATGAGCCAGCAAAGACAGCCATCAGCAGGCTCTCATTGAGCAGAGCTACTTTCAGGTGCTGTGCAGCA
 TCAATTCATTTGTTCAACCCACGAGCTCCAGTGATTATTTATAAACAGAGCAAAGGAAGAGCCCCAAA
 CGGCAATAAAGATATTGGTCAAGATTGTGGATTTGAACATCTTGTTCCTATAATAGAAATGTGGTAGAT
 GAACTGACATCCTTAAAGGATTTGTATAAGTCCTTGAATAACTGTCTGCAGAAGTGGTGCCTTGGCATA
 GCTTAAAGAAAACGGATGAAAAGGAAGGTGCAAGTCGGAGATCTGTTGTTTATGGTGGATACCATGTT
 GGAAGAAGTTGAAAACAGAAAGAGACCAGCAGCAGCCGAACTCTCAAACCTTGGCAAGCTATCGTTTCT
 CACTTCCAAAAGCTATTTGATGTGCAGTCTTAAATGGAGTCTTCCCGGATGAATGAAGGTACACCA
 GGCTTGGAGAAATGAACAACGCTGTAAGGAACCTCAGGAGCTCTAGAATTAGACAGTTCATCATT
 GTGTGTGGTGGTCAGCACAGTTGGTAACTGTGTGAGATAATTAACAAGGATGTGAGTGAGCAGGTTAAA
 CAAGTGTAGGACCTGAGGATCTACAAAGTATTATCAAGAAATTGGAAGGCATGAGGAATTTTCCAG
 CGTTTCAAGCTTTTGCTAATGATCTTCTGAAATCTTAGAGATTGATGACCTGGATGCCATCGTACCTGC
 AGTAAAGAAATTAAGATCCTTTCATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_023873
- Insert Size:** 1851 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_023873.3](#), [NP_076362.2](#)

RefSeq Size: 2608 bp

RefSeq ORF: 1851 bp

Locus ID: 68121

UniProt ID: [Q6IQY5](#)

Cytogenetics: 9 E3.3

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]