

## Product datasheet for **MC223652**

### Cfap70 (NM\_001163638) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cfap70 (NM\_001163638) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cfap70  
**Synonyms:** Ttc18  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223652 representing NM\_001163638  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGACCAGCGTCAAGCACAACGAAAATTGTGCACATTACTGTGACAAATGGATATGATTTGAAAGGCT  
 TCAAAGGAGACACCCAGTTACTTTTGTCCGTGCAGAATCAACCAGACAGTTCTTGGAGACTCTTCAA  
 AGTCACGTCTCTCCGAAGGAAGTCAAAAGTACAACCTTACTAGCAACATTGACCTCAGCCAGATGGA  
 GGCGGTGCCTTAGATGACCTCGCCACAAAGCCTTTATTCTAACGGTGACTGAAGTTTGGCAAAGGAAA  
 AGAAACAGAAAGATGAAAAGACCTTAATTCTTGGCCAAGCTGTGGTGGATCTTCTTCTTACTAGAAGG  
 AGAGGAGTCATTTGAAACAACGGTCCCATTACACCCTGTGCCTGGGTACCCCTTGAAACTCCTTTGCCA  
 GGCTCTAAGCAATGCAGTCTTGATGTGAAGGATTTTGTGGCCGAGCCCTATTGACCCAGCCAGGTCT  
 CAGCGAGCAATCTACTGAAGGTCACACTGGAGGCCGCTACTCTGTGCCGAGTCCTTCATACCAGTAGG  
 GCCTCAGCAGAACTACATGGTCGGTCTGCAGGTCCCATCAGTCGGAGAGAAGGACTACACTATGATATTC  
 AAGAATGGAAATCTGAAGCTTGGAGGGGAAAAAGAACCCTGTTCCCGGCCTAAAAATGGCCATTGCTA  
 ACATTCTAGCTCCAGGAGCTAGTAACATTCTGACGAATTCATTGTGGGGGTCCCTATGAGGAAGAAGA  
 AGGAGAACTCAACCACCTGAGGACAGGGAATTTAGGAACCAAGCCGAATGCACGAAGAAGAGGATTGTC  
 TGGGATTTGGAAAGCCGCTGCTTCTCCATCCTTTTGGCGTTGCAAGTTTTGCAAGCGAATTGCTGATT  
 GCCGACTCTGGCCTGTGGAGATCACAAGAGTGCCTTTGGTCTGTTATGCCAAAAGCCAAACCAGGAAAACT  
 TGAGAAGATCGATGATGAAAACCAGCTTTCCTTTCATGGTGTGGCTTACATCAACATGGTCCCCTCCTG  
 TATCCAGGAGTGAAGAAGATAAGAGGGGCTTTTCATGTGTACCCCTACCTGGATGGGACAGTCTTCGAAA  
 AGCAAGCGCCTAGTATAAAATCACAGAGCTCAGACACCCCTTTGGAAAGTGAAGCCCCCTGAGCCACAA  
 CCTTGAAGGACAGCAATACATAGAAGCGGGAACATACATTGTCCTGGAGATCCAGCTGGAAAAAGCCCTG  
 GTTCCAAGCGGATGCCAGAGGAACTGGCCAGAAGGGTCAAGGAAATGATACCCCGAGGCCACCTCTCA  
 CTCGCCGACAGGGGGCCTCAGAAGGCTGTGAGTGACTACCACACGCAGATCAAGAGCATTTCTAGAGC  
 CATACTCAATGAATACTACCGCATGTTTGGGAAGCAAGGGCCTAAACTGGAGAGTGACATAGACAACGAG  
 ACCATGGAGGAGCGGAAGTGTGAGCTCAACTATGAGCTCAATTGCTCTGGAAAGTACTTTGCTTCAAAG



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AACAGCTCAAGCATGCTGTCGTAAGATTGTCAGAGAGAAATACTTGAAGACAACAGCATTGAAAGCCA
GGAGGAACTGCAGACATTTATCAGTGAGCTGTATGTGTTCTTGGTAGATCAAATGCATGTGGCCCTGAAC
CAGGCCGTCCCGGATGATGTCCAAGCAGTACCTCAACCATTAGACAAGCAGCGAGCAGCTCCGACTCT
TTGCGTTTGAGGCAGAAGTCAATGAGAAGTTTAAATAGCAGCAATGTATTATGAAGAGAGGTTGGTTCCG
GGAGCCCCAGAACCTGGAAAACCTGGCTGGATTACGGCGCTTTCTGTCTCCTCACTGAAGACAACATCAA
GCGCAGGAATGTTCCGGAAAGCCCTTCTCTGAATGAGAGTCACGTTGACAGCTTGTGCTGTGTGGTG
TCCTGGCTATCTTGTGGAGAAGTATGAGCAAGCAGAAATCTTCTTTGAGGATGCATACATGCTTGAACC
CACCAATGTTATTGCCTGGACTTACTCGGATTGTTCTATGAAATTCAGAATAATGATATTCGAATGGAA
ATGGCATTTCATGAGGCCTTCAAACAGCTTCAGGCGCAACCCTCCAAACAAAGCTAAAAAGCACTGTGA
CCATAGAGAACATGGAGGAAGGAGTGAAGTGGAGCCAGCTTTGGCCCTTGGGAGTCGTACAGGAGTC
CACCACAGCCATCAAACGGAAGGCCTATCAGGAGAAATACCTTGTATTTATAACTCATCACCTGGGA
CCTGGTCTGAAGTGTCTGTTGATACTGATTTTCATATCATATAGAATTTACTCCCTTCATAAATATTCT
TAAAAACAGGGATGAGACCCAGAGCTCACACCAGCTGAGTCTCACACCAACATGGAAGTGCATCTCA
GCCCAAGGACCAAACACTGCTTTGTCCAGTCTAGACGAGTTTTTGAAGAATCGCCTAAGGCCAGTCT
GAGTCACAGGAGCCAATGGCCACTGGGCAGCCTCTGGAGCCTTCCCTGGTCCAGAGATCATCCAATGCAC
TGTTAAAGGAGCTGACGTCAAAGAAAGATATATCAAAATGCCAAGATTATCAGCCTTTCCCTCCTAC
CCAGCAGCTTATTGCCAGCCTCCTGTGACGATCTTATGGAACCATTTCGCTTCTTGTGAAAGTCAAC
GCTGTACAGTTTGTGCACAGAGTGTGGCAGATGAGCTGTGCCCCAAGGAGGACCCAGTTGTGAGT
ATTATCTGTTTGGCCAGACACATCTTCTCAAGAAGGACTTTGCCAAGACAGAGGAGTACCTGCAGCA
AGCAGCACAGATGGACTACCTGAACCCTAATGTCTGGGGTGTGAAGGGCCATCTACTTCTGAGTGG
AACCATGCTGAGGCCAAAGAATGCTATGAGAGAACTATTAGTTTTGTAGTTGATGCTTCTGAGATGCACT
TCATCTTCTACGCCTGGGACACATCTACTTGGAAAGAGAAAGAGTATGAAAACGCAAAGAGAACGTACAT
GCATGCCTGTAAGAGATCACCTTCGTGCCTCACTTGGCTAGGACTAGGATTGCCTGTTACCGCTGGAG
GAGCTCACGGAAGCTGAGGATGCTCTGTCTGAAGCCAACGCGTTGAATAACTGCAACGCGAAGTGTGGG
CCTATCTGGCTCTGGTCTGCCTGAAAGTTGGACGACAACCTGGAAGCAGAGCAGGCTTATAAGTACACAAT
AAAGCTGAAACTGAAAGACCAGGCTCTACTTGAAGAAATCCACTGTACAGGAAATGGTTGGTTTTGGA
AATCCATCTTTCTGA
    
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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA
    
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- Restriction Sites:** Sgfl-RsrII
- ACCN:** NM\_001163638
- Insert Size:** 3375 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\\_001163638.1](#), [NP\\_001157110.1](#)

RefSeq Size: 3632 bp

RefSeq ORF: 3375 bp

Locus ID: 76670

UniProt ID: [D3YVL2](#)

Cytogenetics: 14 A3

**Gene Summary:** Axoneme-binding protein that plays a role in the regulation of ciliary motility and cilium length.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.  
Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.