

Product datasheet for **MC223563**

Cfap70 (NM_001163639) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfap70 (NM_001163639) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cfap70
Synonyms:	Ttc18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223563 representing NM_001163639 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGACCAGACGTCAAGCACAACGAAAATTGTGCACATTACTGTGACAAATGGATATGATTTGAAAGGCT
TCAAAGGAGACACCCAGTTACTTTGTCCGTGCAGAATTCACCAGACAGTTCTTGGAGACTCTTCAA
AGTCACTGTCTCTCCGAAGGAAGTCAAAAGTACAACTTTACTAGCAACATTGACCTCAGCCAGATGGA
GGCGGTGCCTTAGATGACCTCGCCACAAAGCCTTTATTCTTAACGGTGACTGAAGTTTGCCAAAGGAAA
AGAAACAGAAAGATGAAAAGACCTTAATTCTTGCCCAAGCTGTGGTGGATCTTCTCCTTTACTAGAAGG
AGAGGAGTCATTTGAAACAACGGTCCCATACACCCTGTGCCTGGGTACCCCTTGAAACTCCTTTGCCA
GGCTCTAAGCAATGCAGTCTTGATGTGAAGGTATTTGTGGCCGAGCCCTTATTGACCCAGCCAGGTCT
CAGCGAGCAATCTACTGAAGGTCACTGGAGGCCGCTACTCTGTGCCCGAGTCCTTACATACAGTAGG
GCCTCAGCAGAACTACATGGTCGGTCTGCAGGTCCCATCAGTCGGAGAGAAGGACTACACTATGATATTC
AAGAAATGGAAATCTGAAGCTTGGAGGGGAAAAAGAACCTGTTCCCGGCCATAAAAAATGGCCATTGCTA
ACATTCTAGCTCCAGGAGCTAGTAACATTCTGACGAATTCATTGTGGGGGTCCCTATGAGGAAGAAGA
AGGAGAACTCAACCACCTGAGGACAGGGAATTTAGGAACCAAGCCGAATGCACGAAGAAGAGGATTGTC
TGGGATTTGAAAGCCGCTGCTTCTCCATCCTTTTGGCGTTGCAAGTTTTCAGAAGCAATGCTGATT
GCCGACTCTGGCCTGTGGAGATCACAAGAGTGCCCTTTGGTCGTTATGCCAAAAGCCAAACAGGAAAACT
TGAGAAGATCGATGATGAAAACAGCTTTCCTTTCATGGTGTGGCTTACATCAACATGGTCCCACTCCTG
TATCCAGGAGTGAAGAAGATAAGAGGGGCTTTTCATGTGTACCCCTACCTGGATGGGACAGTCTTCGAAA
AGACCAAGTGCTTGTTCAGCTTATTCAGGGACACTGGGCACCATTTGGTCCAAAATAATAAGCAGGGGG
ACTTAACCTCTCACTGTCCAAACCTCTCTCAAGAATCTGAAAGAAGAGAAACAGGGAAAGACAAGGAC
ACAGAAGGACGGCCTCGCTTGGAGAGCTGCAAGCGCTAGTATAAAATCACAGAGCTCAGACCCCTT
TGGAAAGTGAAGCCCCCTGAGCCACAACCTTGAAGGACAGCAATACATAGAAGCGGGAACATACATTGT
CCTGGAGATCCAGCTGAAAAAGCCCTGGTTCCAAAGCGGATGCCAGAGGAAGTGGCCAGAAGGGTCAAG



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GAAATGATACCCCGAGGCCACCTCTCACTCGCCGACAGGGGCGCTCAGAAGGCTGTGAGTGACTACC
 ACACGCAGATCAAGAGCATTTCTAGAGCCATACTCAATGAATACTACCGCATGTTTGGGAAGCAAGGGCC
 TAAACTGGAGAGTGACATAGACAACGAGACCATGGAGGAGCGGAAGTGTGAGTCAACTATGAGCTCAAT
 TGCTCTGGAAAGTACTTTGCTTTCAAAGAACAGCTCAAGGCCGTCCCGGATGATGTCCCAAGCAGTACCT
 CAACCATTGAGACAAGCAGCAGCAGCTCCGACTCTTTGCGTTTGAGGCAGAAGTCAATGAGAAGTTGA
 AATAGCAGCAATGTATTATGAAGAGAGGTTGGTTCTGGGAGCCCCAGAACCTGGAAAACCTGGCTGGATTAC
 GCGCTTTTCTGTCTCTCACTGAAGACAACATCAAAGCGCAGGAATGTTCCGGAAAGCCCTTTCTCTGA
 ATGAGAGTCACGTTGACAGCTTGTGTGTGGTGTCTGGCTATCTTGTGGAGAAGTATGAGCAAGC
 AGAAATCTTCTTTGAGGATGCTACATGCTTGAACCCACCAATGTTATTGCTGGACTTTACTCGGATTG
 TTCTATGAAATTCAGAATAATGATATTGAATGGAAATGGCATTTTATGAGGCCTTCAAACAGCTTCAGG
 CGCAACCCCTCCAAACAAAGCTAAAAAGCACTGTGACCATAGAGAACATGGAGGAAGGAGTGAAAGTGA
 GCCCAGCTTTGGCCCTTGGGGAGTCTACAGGAGTCCACCACAGCCATCAAACGGAAGGCTATCAGGG
 ATGAGACCCAGAGCTCACACCAGCTGAGTCTCACACCAACATGGAAGTGCATCCTCAGCCCCAAGGAC
 CAAACACTGCTTTGTCCAGTCTAGACGAGTTTTTGAAGAATCGCCTAAGGCCAGTCTGAGTCACAGGA
 GCCAATGGCCACTGGGCAGCCTCTGGAGCCTTCCCTGGTCCAGAGATCATCCAATGCACTGTTAAAGGAG
 CTGACGTCAAAGAAAGATATATCAAAATGCCAAGATTCATCAGCCTTTTCCCCTCCTACCCAGCAGCTTA
 TTGCCCAGCCTCCTGTGACGATCTTATGGAACCATTCGCTTCTTATGAGGTCACGCTGTACAGTT
 TGTGCACAGAGTGCTGGCACATGAGCTGCTGTGCCCCAAGGAGGACCCAGTTGTGAGTATTATCTGGTT
 CTGGCCCAGACACATCTTCTCAAGAAGGACTTTGCCAAGACAGAGGAGTACCTGCAGCAAGCAGCACAGA
 TGGACTACCTGAACCCCTAATGTCTGGGGTGTGAAGGGCCATCTCTACTTCTGAGTGGAACCATGTCTGA
 GGCCAAAGAATGCTATGAGAGAACTATTAGTTTTGTAGTTGATGCTTCTGAGATGCATTCATCTTCTTA
 CGCCTGGGACACATCTACTTGAAGAGAAAGAGTATGAAAACGCAAGAGAACGTACATGCATGCCTGTA
 AGAGATCACCTTCGTGCCTCACTTGGCTAGGACTAGGGATTGCCTGTTACCGGCTGGAGGAGCTCACGGA
 AGCTGAGGATGCTCTGTCTGAAGCCAAACGCGTTGAATAACTGCAACGCCGAAGTGTGGGCTATCTGGCT
 CTGGTCTGCCTGAAAGTTGGACGACAACCTGGAAGCAGAGCAGGCTTATAAGTACACAATAAGCTGAAAC
 TGAAAGACCAGGCTCTACTTGAAGAAATCCACACTGTACAGGAAATGGTTGGTTTGGAAATCCATCTTT
 CTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001163639
- Insert Size:** 3294 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001163639.1 , NP_001157111.1
RefSeq Size:	3551 bp
RefSeq ORF:	3294 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 (2) lacks two in-frame exons and contains an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to 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.