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Product datasheet for MC223713

Cfap70 (NM_029698) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfap70 (NM_029698) 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:

>MC223713 representing NM_029698
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCAGACGTCAAGCACAACGAAAATTGTGCACATTACTGTGACAAATGGATATGATTTGAAAGGCT
TCAAAGGAGACACCCCAGTTACTTTTGTCCGTGCAGAATTCAACCAGACAGTTCTTGGAGACTCTTCAAA
AGTCACTGTCTCTCCCGAAGGAACTGCAAAGTACAACTTTACTAGCAACATTGACCTCAGCCCAGATGGA
GGCGGTGCCTTAGATGACCTCGCCCACAAGCCTTTATTCTTAACGGTGACTGAAGTTTTGCCAAAGGAAA
AGAAACAGAAAGATGAAAAGACCTTAATTCTTGGCCAAGCTGTGGTGGATCTTCTTCCTTTACTAGAAGG
AGAGGAGTCATTTGAAACAACGGTCCCATTACACCCTGTGCCTGGGTCACCCTTGGAAACTCCTTTGCCA
GGCTCTAAGCAATGCAGTCTTGATGTGAAGGTATTTGTGGCCGAGCCCTTATTGACCCCAGCCCAGGTCT
CAGCGAGCAATCTACTGAAGGTCACACTGGAGGCCGCCTACTCTGTGCCCGAGTCCTTCATACCAGTAGG
GCCTCAGCAGAACTACATGGTCGGTCTGCAGGTCCCATCAGTCGGAGAGAAGGACTACACTATGATATTC
AAGAATGGAAATCTGAAGCTTGGAGGGGAAAAAGAACCTGTTCCCCGGCCTAAAAAATGGCCCATTGCTA
ACATTCTAGCTCCAGGAGCTAGTAACATTCCTGACGAATTCATTGTGGGGGGTCCCTATGAGGAAGAAGA
AGGAGAACTCAACCACCCTGAGGACAGGGAATTTAGGAACCAAGCCGAATGCACGAAGAAGAGGATTGTC
TGGGATTTGGAAAGCCGCTGCTTCCTCCATCCTTTTGCCGTTGCAAGTTTTCAGAAGCGAATTGCTGATT
GCCGACTCTGGCCTGTGGAGATCACAAGAGTGCCTTTGGTCGTTATGCCAAAAGCCAAACCAGGAAAACT
TGAGAAGATCGATGATGAAAACCAGCTTTCCTTTCATGGTGTGGCTTACATCAACATGGTCCCACTCCTG
TATCCAGGAGTGAAGAAGATAAGAGGGGCTTTTCATGTGTACCCCTACCTGGATGGGACAGTCTTCGAAA
AGACCAAGTGCTTGTTCAGCTTATTCAGGGACACTGGGCACCATTTGGTCCAAAATAATAAAGCAGGGGG
ACTTAACTCTCCACTGTCCAAACCTCTCTCCAAGAATCTGAAAGAAGAGAAACCAGGGAAAGACAAGGAC
ACAGAAGGACGGCCTCGGCTTGGAGAGCTGCAAGCGCCTAGTATAAAATCACAGAGCTCAGACACCCCTT
TGGAAAGTGAAGCCCCCCTGAGCCACAACCTTGAAGGACAGCAATACATAGAAGCGGGAACATACATTGT
CCTGGAGATCCAGCTGGAAAAAGCCCTGGTTCCAAAGCGGATGCCAGAGGAACTGGCCAGAAGGGTCAAG

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GAAATGATACCCCCGAGGCCACCTCTCACTCGCCGGACAGGGGGCGCTCAGAAGGCTGTGAGTGACTACC
ACACGCAGATCAAGAGCATTTCTAGAGCCATACTCAATGAATACTACCGCATGTTTGGGAAGCAAGGGCC
TAAACTGGAGAGTGACATAGACAACGAGACCATGGAGGAGCGGAAGTGTCAGCTCAACTATGAGCTCAAT
TGCTCTGGAAAGTACTTTGCTTTCAAAGAACAGCTCAAGCATGCTGTCGTAAAGATTGTCAGAGAGAAAT
ACTTGAAGACAACAGCATTCGAAAGCCAGGAGGAACTGCAGACATTTATCAGTGAGCTGTATGTGTTCTT
GGTAGATCAAATGCATGTGGCCCTGAACCAGGCCGTCCCGGATGATGTCCCAAGCAGTACCTCAACCATT
CAGACAAGCAGCGAGCAGCTCCGACTCTTTGCGTTTGAGGCAGAAGTCAATGAGAAGTTTGAAATAGCAG
CAATGTATTATGAAGAGAGGTTGGTTCGGGAGCCCCAGAACCTGGAAAACTGGCTGGATTACGGCGCTTT
CTGTCTCCTCACTGAAGACAACATCAAAGCGCAGGAATGTTTCCGGAAAGCCCTTTCTCTGAATGAGAGT
CACGTTGACAGCTTGTTGCTGTGTGGTGTCCTGGCTATCTTGTTGGAGAACTATGAGCAAGCAGAAATCT
TCTTTGAGGATGCTACATGCTTGGAACCCACCAATGTTATTGCCTGGACTTTACTCGGATTGTTCTATGA
AATTCAGAATAATGATATTCGAATGGAAATGGCATTTCATGAGGCCTTCAAACAGCTTCAGGCGCGAACC
CTCCAAACAAAGCTAAAAAGCACTGTGACCATAGAGAACATGGAGGAAGGAGTGAAAGTGGAGCCCAGCT
TTGGCCCTTGGGGAGTCGTACAGGAGTCCACCACAGCCATCAAAACGGAAGGCCTATCAGGGATGAGACC
CCAGAGCTCACACCAGCTGAGTCCTCACACCAACATGGAACTGCATCCTCAGCCCCAAGGACCAAACACT
GCTTTGTCCAGTCTAGACGAGTTTTTGGAAGAATCGCCTAAGGCCCAGTCTGAGTCACAGGAGCCAATGG
CCACTGGGCAGCCTCTGGAGCCTTCCCTGGTCCAGAGATCATCCAATGCACTGTTAAAGGAGCTGACGTC
AAAGAAAGATATATCAAAATGCCAAGATTCATCAGCCTTTTCCCCTCCTACCCAGCACGTTATTGCCCAG
CCTCCTGTGACGATCTTCATGGAAACCATTCGCTTCTTGATGAAGGTCAACGCTGTACAGTTTGTGCACA
GAGTGCTGGCACATGAGCTGCTGTGCCCCCAAGGAGGACCCAGTTGTGAGTATTATCTGGTTCTGGCCCA
GACACATCTTCTCAAGAAGGACTTTGCCAAGACAGAGGAGTACCTGCAGCAAGCAGCACAGATGGACTAC
CTGAACCCTAATGTCTGGGGTGTGAAGGGCCATCTCTACTTCCTGAGTGGAAACCATGCTGAGGCCAAAG
AATGCTATGAGAGAACTATTAGTTTTGTAGTTGATGCTTCTGAGATGCACTTCATCTTCCTACGCCTGGG
ACACATCTACTTGGAAGAGAAAGAGTATGAAAACGCAAAGAGAACGTACATGCATGCCTGTAAGAGATCA
CCTTCGTGCCTCACTTGGCTAGGACTAGGGATTGCCTGTTACCGGCTGGAGGAGCTCACGGAAGCTGAGG
ATGCTCTGTCTGAAGCCAACGCGTTGAATAACTGCAACGCCGAAGTGTGGGCCTATCTGGCTCTGGTCTG
CCTGAAAGTTGGACGACAACTGGAAGCAGAGCAGGCTTATAAGTACACAATAAAGCTGAAACTGAAAGAC
CAGGCTCTACTTGAAGAAATCCACACTGTACAGGAAATGGTTGGTTTTGGAAATCCATCTTTCTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_029698

Insert Size: 3426 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).

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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_029698.1, NP_083974.1
RefSeq Size:	3621 bp
RefSeq ORF:	3426 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 (3) differs in the 5' UTR, lacks one in-frame exon and contains an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is longer, 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.

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