

Product datasheet for **MC217514**

Cfap157 (NM_025619) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfap157 (NM_025619) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cfap157
Synonyms:	1700019L03Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217514 representing NM_025619
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCAAAAAGAAGCCAAACAAGGAGGCAAGGAGATGCAGGGCAAGAAGATAGGGGGCAAGAAGG
 ATGCCAGTGGGACCAAGACTCCAGAGTTGGCCATGGTGGAGGAGCTGAAGGAATTCACCAAAACAGAT
 CCAAGACCTGGAGGACAGGCTGGCCCGGTATCAGCGGAAATGGGATGAACTGGCTGTGCGGGAGAAGCTG
 TTCCATCAGGAGTTTCAGCAGCTGGCCAACAACAAGAAGGAGATTGTGGCCTTCCTCAAGCGCACGCTGA
 ACCAGAAGGTGGATGAGATCACAGACCTTAATGACCAGCTGCAGAGCCTGGAGGTGGCAAGGATATGGA
 GAAGGACGCGTTCGAGGCCCAACTGGCCAGGTGCGCCATGAATCCAGGAAATCAAGGACCAGCTCACC
 ACAGAGAACATCGCCCTCGGGATCAAGCTGAGTTCCTGGAAGAATTCGGCTGCAGAAAGAGGAGCTCA
 CGGAGAAGTACTTGGCACTGGAGGAGCAGCTCCATAGGCAGGAGGGCGAGTACAAGGAATACGTGTACAA
 CCTGGAGAAGAAGTCTGTGCTGGACAAGGACAGGCTGAGGAAAGAGATTATCCAGCGTGTGAACCTGGTG
 GCCACAGAGTTCGAAAGATGGCCACCAACCAGATGTGGGAGACGACCAGGCGGGCCATCCTAGAGAACA
 ACAGCGTGACTCTGCAGCTAAACAAGGTGTCCAAGCATGGTGTGCAGCTGCTGCAGGAGAATGAGCAGCT
 CAAGGGCACCCAGAACAAGCTGTGCCAACAGCTGGAGATGCTGGAGAACACCCAAAGAGATCATGGCCAGA
 AAGAACATAGGGCATAAGAAGATTATCCTCATGCTGACCGAGAAGTGCCGCCAACAGAGAAAGGGCACAG
 AGGAGACGGAGCAACTGCGCCTCCTGCTGTCCCAACTGGAGCAGAATCCAGAATGTGCAGAGGGACAA
 CCAGACCCTGAGGAGTGAGAAAGACCAGCTGGAAGCGCAACTGAAGGAGAAGCAGGCAGAGGCAAAATCGG
 CTACAGGAGGAGCTGACCAAGGAACAGAAAATTCGGGCAAACCTTAAACAGTCTGATCCAGGCGACCT
 CCATGCTACAGGACATTGTGCACATGCAACAGAGGCGGAGGACGCGGACTTTGATGTGGTGTCCAACT
 GCAGCGCAAGGAGCTGCTGCAGCAACTGCTGTTGTTGCTCAGCTCAGGGGTGGTTTTGAAAACACAGCCG
 GACATGGGTTCCACCAGGACAAGCAGCCCCAGGGCCTATCCAAAGAAAGCCAACGCATACCCAGACAT
 CCAAGGAAGGGGCTGTTTCTGCTGCAGCAGCTCTCGACCATCACAACTATAAGCCAGGGGATCTTGG
 GCTGGTGCCTCGACGTCCGGTCCGCATCCCACTCAAACCCAGGATCTCAGGCCCTCTCTATATCACC
 CGAATGGGGATCTGCCAGAACCGAATGAGATCTACCCATCTGGAGCTCTCAAAGGTTCCAGAAAGTTTA
 CCCTTCTAGACCTTCTACACCGCAA**TAG**

AC**GGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-NotI

ACCN: NM_025619

Insert Size: 1572 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_025619.1](#), [NP_079895.1](#)

RefSeq Size: 1675 bp

RefSeq ORF: 1572 bp

Locus ID: 227736

UniProt ID: [Q0VFX2](#)

Cytogenetics: 2 B

Gene Summary: Specifically required during spermatogenesis for flagellum morphogenesis and sperm motility (PubMed:27965440). May be required to suppress the formation of supernumerary axonemes and ensure a correct ultrastructure (PubMed:27965440).[UniProtKB/Swiss-Prot Function]