

Product datasheet for **MR212962**

Cfap157 (NM_025619) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR212962 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCAAAAAGAAGCCAAACAAGGAGGCAAGGAGATGCAGGGCAAGAAGATAGGGGGCAAGAAGG
 ATGCCAGTGGGACCAAGACTCCAGAGTTGGCCATGGTGGAGGAGCTGAAGGAATTCACCAAAACAGAT
 CCAAGACCTGGAGGACAGGCTGGCCCGGTATCAGCGAAATGGGATGAACTGGCTGTGCGGGAGAAGCTG
 TTCCATCAGGAGTTTCAGCAGCTGGCCAACAAGAAGGAGATTGTGGCCTTCCTCAAGCGCACGCTGA
 ACCAGAAGGTGGATGAGATCACAGACCTTAATGACCAGCTGCAGAGCCTGGAGGTGGCAAGGATATGGA
 GAAGGACGCGTTCGAGGCCCAACTGGCCAGGTGCGCCATGAATTCAGGAAATCAAGGACCAGCTCACC
 ACAGAGAACATCGCCCTCGGGATCAAGCTGAGTCCCTGGAAGAATTCGGCTGCAGAAAGAGGAGCTCA
 CGGAGAAGTACTTGGCACTGGAGGAGCAGCTCCATAGGCAGGAGGCGAGTACAAGGAATACGTGTACAA
 CCTGGAGAAGAAGTCTGTGCTGGACAAGGACAGGCTGAGGAAAGAGATTATCCAGCGTGTGAACCTGGT
 GCCACAGAGTTCGAAAGATGGCCACCAACCAGATGTGGGAGACGACCAGGCGGGCCATCCTAGAGAACA
 ACAGCGTGACTCTGCAGCTAAACAAGGTGTCCAAGCATGGTGTGCAGCTGCTGCAGGAGAATGAGCAGCT
 CAAGGGCACCCAGAACAAGCTGTGCCAACAGCTGGAGATGCTGGAGAACACCCAAGAGATCATGGCCAGA
 AAGAACATAGGGCATAAGAAGATTATCCTCATGCTGACCGAGAAGTGCCGCAACAGAGAAAAGGGCACAG
 AGGAGACGGAGCAACTGCGCCTCCTGCTGTCCAACTGGAGCAGAATCCAGAATGTGCAGAGGGACAA
 CCAGACCTGAGGAGTGAGAAAGACCAGCTGGAAGCGCAACTGAAGGAGAAGCAGGCAGAGGCAAAATCGG
 CTACAGGAGGAGCTGACCAAGGAACAGAAAATTCGGGCAAACCTTAAACAGTCTGATCCAGGCGACCT
 CCATGCTACAGGACATTTGTGCACATGCAAACAGAGGCGGAGGACGCGGACTTTGATGTGGTGTCCAAC
 GCAGCGCAAGGAGCTGCTGCAGCAACTGCTGGTATTGCTCAGCTCAGGGGTGGTTTTGAAAACACAGCCG
 GACATGGGTTCCACCAGGACAAGCAGCCAGGGCCTATCCAAGAAAGCCAACGCATACCCAGACAT
 CCAAGGAAGGGGCTGTTTCTGCTGCAGCAGCTCTGACCATCACAACTATAAGCCAGGGGATCTTGG
 GCTGGTGCCTCGACGTCGGTCCGCATCCCACTCAAACCCAGGATCTCAGGCCCTCTCTATATCACC
 CGAATGGGGATCTGCCAGAACGAATGAGATCTACCCATCTGGAGCTCTCAAAGGTTCCAGAAAGTTTA
 CCCTTCTAGACCTTCTACACCGCAA

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

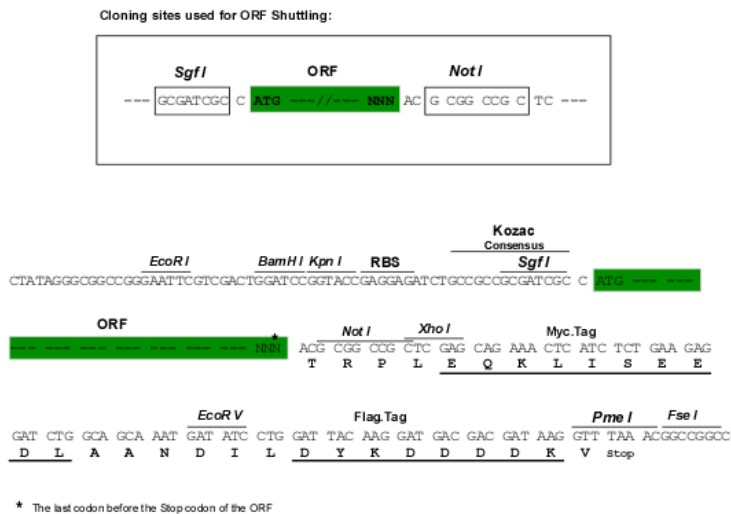
>MR212962 protein sequence
 Red=Cloning site Green=Tags(s)

MAPKKKPNKGGKEMQGGKIGGKKDASGKTPELAMVEELKEFYHKIQDLEDRLARYQRKWDELAVREKL
 FHQEFELANNKKEIVAFKRTLNQKVDEITDLNDQLQSLEVAKDMEKDAFEAQLAQRVHEFQEIKDQLT
 TENIALGIKLSLEEFRLQKEELTEKYLALAEQLHRQEGEYKEYVYNLEKKSVLKDKDLRKEIIQVRNLY
 ATEFRKMATNQMWETTRRAILENNSVTLQLNKVSKHGVQLQENEQLKGTQNKLCQQLMLELNTQEIMAR
 KNIGHKKIILMLTEKCRQQRKGTETEQLRLLLSQLEQNFQNVQRDNQTLRSEKDQLEAQLKEKQAEANR
 LQEELTKEQKIRANLKTVLIQATSMQLDIVHMQTEAEDGDFDVFVQLQRKELLQQLLVLLSSGVVLTQP
 DMGSHQDKQPQLSKESQRITQTSKEGAVSLLQQLSTITTYKPGDLGLVPRRPVRIPLKPQDLRPLSYIT
 RMGICQNTNEIYPSGALKRFRKFTLPRPFLHRK

TRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-NotI

Cloning Scheme:


ACCN: NM_025619

ORF Size: 1572 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

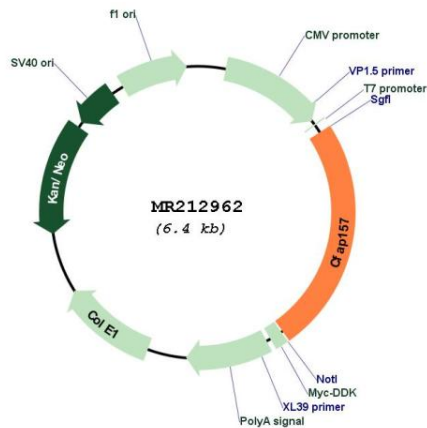
UniProt ID: [Q0VFX2](#)

Cytogenetics: 2 B

MW: 61 kDa

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]

Product images:



Circular map for MR212962