

## Product datasheet for MR214189

### Cfap20 (NM\_008187) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cfap20 (NM\_008187) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cfap20  
**Synonyms:** 2600014O15Rik; AL024127; Gtl3; T10-2A2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR214189 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTCAAGAACCGTTCAGAGTGGTTCCTTTCCATCCTCTACAGCATCGGCAGCAAGCCCCTGCAGA  
 TCTGGGACAAAAAGGTACGGAATGGCCACATCAAAGAATCACTGACAATGACATCCAGTCCCTGGTGCT  
 AGAGATTGAAGGGACAAATGTCAGTACCACATACATCACGTGCTCCTGCGGACCCCAAGAAGACACTGGG  
 ATCAAAGTGCCTTTCCTTGTGTCATGATCATCAAAAAGTGAAGAAATTTTACCTTTGAAGTCCAGGTAC  
 TAGATGACAAAAACGTTTCGTCGAAGTTTCGAGCAAGTAACTACCAGAGTACCACTCGAGTCAAGCCCTT  
 CATCTGTACCATGCCCATGCGGCTGGATGATGGCTGGAACAGATTTCAGTTCAACTTGTGAGATTTACC  
 CGGCGGGCATATGGCACGAACTACATCGAGACCCTGAGAGTGCAGATCCATGCAAAGTCCGATATCCGAA  
 GGGTTTACTTCTCAGACAGACTCTACTCAGAAGATGAGCTGCCAGCAGAGTTCAAAGTCTATCTACCAGT  
 TCAGAACAAGGCCAAACAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR214189 protein sequence  
 Red=Cloning site Green=Tags(s)

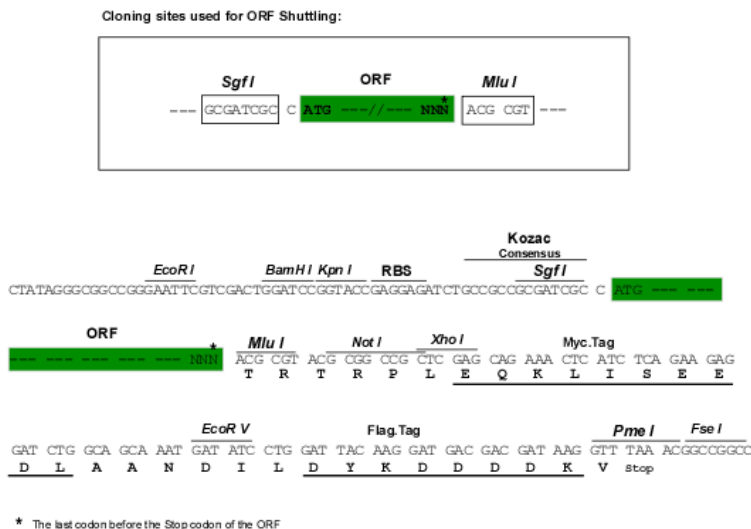
MFKNTFQSGFLSILYSIGSKPLQIWDKKVRNGHIKRITDNDIQSLVLEIEGTVSTTYITCPADPKKTLG  
 IKLPFLVMIIKNLKKYFTFEVQVLDKKNVRRFRASNYQSTTRVKPFICTMPMLDDGWNQIQFNLSDF  
 RRAYGTNYIETLRVQIHANCRIRRVYFSDRLYSEDELPAEFKLYLPVQNKAKQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008187

**ORF Size:** 582 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\\_008187.2](#), [NP\\_032213.2](#)

**RefSeq Size:** 1318 bp

**RefSeq ORF:** 582 bp

**Locus ID:** 14894

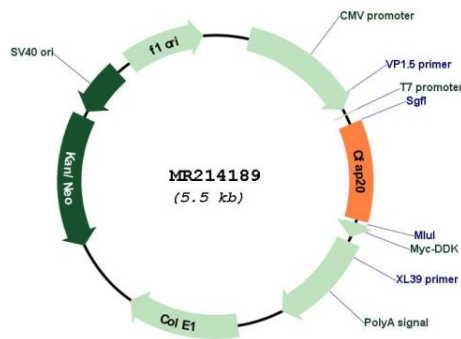
**UniProt ID:** [Q8BTU1](#)

**Cytogenetics:** 8 C5

**MW:** 22.7 kDa

**Gene Summary:** Cilium- and flagellum-specific protein that plays a role in axonemal structure organization and motility. Involved in the regulation of the size and morphology of cilia. Required for axonemal microtubules polyglutamylolation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR214189