OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR211268

Cfap69 (NM_172447) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfap69 (NM_172447) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cfap69
Synonyms:	4921525K03; A330021E22Rik; AI427898
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR211268 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCACCGCGGAGGCCTCGGCCACCACGGCCGACGCCGCCGAGGCGGGCGGCAGGACGAAGACCGGCA
GTCCCCGCACAATCCCGGTGTTTGGGGTGGCGATCCCGGATGGGGAGATGCAGGGTATTTTCAAGCCTAT
GGACCTTAATCGTATCATCAAAGTCCTTGAAGAGGAGGATAAGGATGTCTCAGAAGAAAAACAACTTAAT
TATATCAAGAAACTGATACACTGCTATCAGAATGGATTTCCTCTAAGAGATTTGGCACAGATATTTAAAA
TTCTGAGTCTGTGTGCAGAAAAAATTGAAAAGCAGCCCTGTTTTGTAGAACCTGCATCTGACATCATAAA
ATTATGTGGCTTGCCATTTTTGAAAAAGAAAGTATCGGATGAAATAACTTACACTGAAGATACTGCTAAT
TCATTTGCACTTCTGGGTGAGTTAATGAAAATACCAAGTTCTGCATTAAGGATACAAATTTGTAAATGTA
TTGTTGACTTCTATCATGCAGAACCATTAAAGAAACATATTCCAGGCTACCAGCAGGTGAGTTCATCCTA
CAAGATTAAAATGGTAGAGGTCGGTGGCTTGGCGAAGGCAATGGTCCAGTCGGCACTCCTGCTTGAGAAT
CAGCTTGTCGAGAAACTCTGGGTTCTGAAAGTCCTGCAGCATCTCTCTACTTCTGGAGTTAATTGCACTT
TAATGGTGAAAGCCCAAGCAGCCAGCGGAATCTGTGCTCACCTCAATGACCCAGATCCCTCAGGACAGCT
TTTATTTCGTTCATCAGAAGTACTTTGGAATTTACTGGAAAAATCTTCAAAGGAGGAAATTATACAACAG
CTTAGTAACTTGGAATGCCTGCTGGCTTTGAAAGAAGTATTTAAAAACCTCTTTGTGAGGGGGCATAGTC
ACTATGAGCGTCAGCTTAGAAATGATATATTAGTTATCACCACAATTATAGCTCAGAACCCTGGAGCACC
GATGATTGAATGTGGCTTTACCAGGGATTTGATACTATTTGCAACTTTTAATGAAGTTAAAAGTCAAAAC
CCCTTGGTAAAAAGTCTTAAGCTTTTTAATTGCTATGAAGATTTTGAGCTGAAGAAATTGTTATTCAATA
TAATTGTGATCTTATGTAAAGATTTAGCTACTGTACAGCTATTAATCGATGGCAAAGTTATTTTGGCTTT
GTTTACCTATGTGAAAAAGCCTGAGAGACTCAAGATCATGGAGTGGTCTGCAGCACAGTATGAAGAACTA
CAACTGCATGCGATTGCCACCTTGTCCTCTGTGGCTCCTTTGTTAATAGAAGAGTATATGTCATGCCACG
GCAATTCTCGGATCCTTGCATTTCTGGAGTGGTGTGGGCATGAGGATTCCTACTTCATTCATGGTAACAG
TTTCCATGGTACAGGCGGCCGTGGAAACAAGTTCGCCCAGATGCGTTACACTCTACGGCTCCTCAGAGCC
ATGGTTTATCTGGAAGATGAGACTGTGAACAAGGACCTTTGTGAGAGAGGGGTTATTCATCAACTGATAG
AAATTTTTAAAACTATGATGAGCAGACCTGCTGAGAAGGAAGAGGCCATTGCCTTAGAAATCCAGTCTGA
CACATTACTTATTCTGTCAGGTCTTTGTGAAAATTATATCCAAAGGAAGGAAATGTTTGGTACTGAAGGA
GTTGACATAGTTCTTCATGTAATGAAAACAGACCCCAAGAATTTACAGAGGGGTTTAGGCTACAATGTCC
TTCTTTTCAGTACGTTAGACAGCATTTGGTGCTGCATTTTGGGATGTTATGATTCTGAAGATTATTTTCT
TGAAAAGGAAGGGATTTTTCTCCTTTTGGATATACTAGCATTGAACCAAAAAAAATTCTGTAATCTGATT
CTTGGAATAATGGTTGAATTTTGTGATAATCCCAAAACTTCTGCTCATGTCAATGCTTGGCGTGGGAAGA
AAGACCTGACTGCTGCCAGCCTTTTAATTAAACTGTGGAGAAAAGAGGAAAAGGAGCTAGGAGTAAAACG
TGACAGGAACGGCAAGATTGTTGATACAAAGAGACCTCTATTTACTAGTTTTCAAGAAGAACAAAAGACC
ATGCCCCTTCCTGCTAACTGCCCATCTATTGCAGTTATGGATGTTGCTGAAAATATCAGAGCAAAAATTT
ATGCTGTGTTGGATAAACTAGATTTTGAAAACTTACCGGGCTTATCTGCCGAAGATTTTGTCACCCTCTG
TATAATACATAGATACTTTGATTTTAAAATTGGAGAAATATGGAATGAAGTATCTGAAGAAATAAAGCTG
GAAAAGCTAAGACTAGTCACAACAGATGAAAAATCTTTGAACTCCATTATAGCAGCAACAGAAAATATTG
GAAAGATGGTTGCGTCCTTGCAAAGTGAGATGATTGAAAACCAAGCCCTTCAGGATGTGCAGAATGAACA
AAGAGTGTATGCAAAAATACAAGCTACACATAAGCAGAGAGAGCAGGCTAACAAGTCATGGGAAAACTTC
TTGGCTAGGACATCAAATGCTAAAACATTAAAGAAAGCAAAGAAGCTTCAAGAAAAGGCTATAGAATCCT
CCAGATATACTGAACGACCACAGAATGCAACATTCCACCAAACAGTTATTAAAGGTCTTAACACAACGGT
GCCTTCGGGTCGGGTGGTGACAGTGCAAAGCACACCTACCCGGCTACTGGGAGGACCTCTGGCTGACACA
GACATCGCTCTGAAAAAACTGCCTATTCGAGGAGGGGCCTTGCAGCGGGTGAAAGTGAAGCCACCACTGA
ATGATCCTAAAAAGAGCATCCCTACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

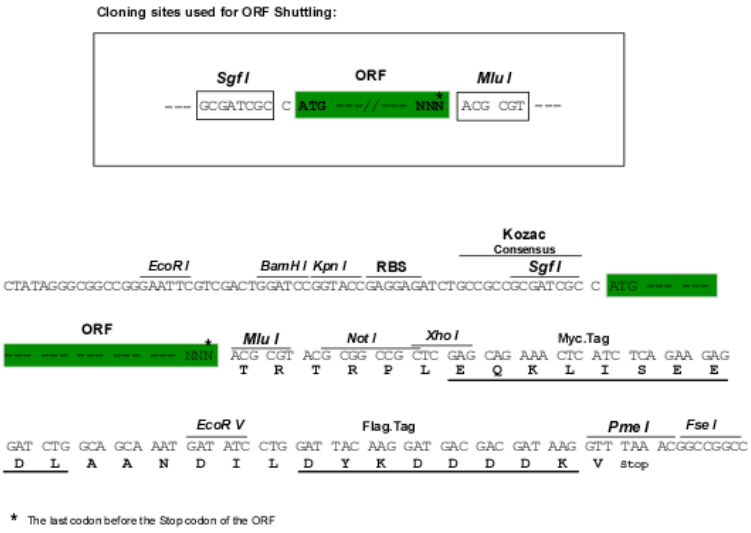
>MR211268 protein sequence
Red=Cloning site Green=Tags(s)

MSTAEASATTADAAEAGGRTKTGSPRTIPVFGVAIPDGEMQGIFKPMDLNRIIKVLEEEDKDVSEEKQLN
YIKKLIHCYQNGFPLRDLAQIFKILSLCAEKIEKQPCFVEPASDIIKLCGLPFLKKKVSDEITYTEDTAN
SFALLGELMKIPSSALRIQICKCIVDFYHAEPLKKHIPGYQQVSSSYKIKMVEVGGLAKAMVQSALLLEN
QLVEKLWVLKVLQHLSTSGVNCTLMVKAQAASGICAHLNDPDPSGQLLFRSSEVLWNLLEKSSKEEIIQQ
LSNLECLLALKEVFKNLFVRGHSHYERQLRNDILVITTIIAQNPGAPMIECGFTRDLILFATFNEVKSQN
PLVKSLKLFNCYEDFELKKLLFNIIVILCKDLATVQLLIDGKVILALFTYVKKPERLKIMEWSAAQYEEL
QLHAIATLSSVAPLLIEEYMSCHGNSRILAFLEWCGHEDSYFIHGNSFHGTGGRGNKFAQMRYTLRLLRA
MVYLEDETVNKDLCERGVIHQLIEIFKTMMSRPAEKEEAIALEIQSDTLLILSGLCENYIQRKEMFGTEG
VDIVLHVMKTDPKNLQRGLGYNVLLFSTLDSIWCCILGCYDSEDYFLEKEGIFLLLDILALNQKKFCNLI
LGIMVEFCDNPKTSAHVNAWRGKKDLTAASLLIKLWRKEEKELGVKRDRNGKIVDTKRPLFTSFQEEQKT
MPLPANCPSIAVMDVAENIRAKIYAVLDKLDFENLPGLSAEDFVTLCIIHRYFDFKIGEIWNEVSEEIKL
EKLRLVTTDEKSLNSIIAATENIGKMVASLQSEMIENQALQDVQNEQRVYAKIQATHKQREQANKSWENF
LARTSNAKTLKKAKKLQEKAIESSRYTERPQNATFHQTVIKGLNTTVPSGRVVTVQSTPTRLLGGPLADT
DIALKKLPIRGGALQRVKVKPPLNDPKKSIPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

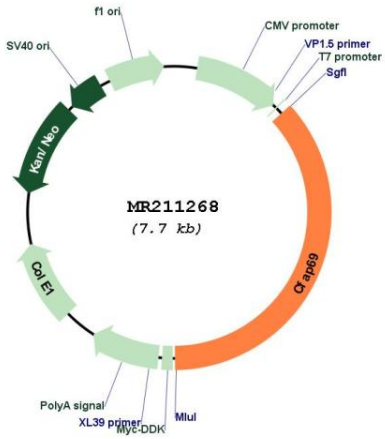


ACCN: NM_172447

ORF Size: 2829 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_172447.2
RefSeq Size:	3245 bp
RefSeq ORF:	2829 bp
Locus ID:	207686
UniProt ID:	Q8BH53
Cytogenetics:	5 A1
MW:	106.2 kDa
Gene Summary:	Cilium- and flagellum-associated protein (PubMed:28495971, PubMed:29606301). In the olfactory epithelium, regulates the speed of activation and termination of the odor response and thus contributes to the robustness of olfactory transduction pathways (PubMed:28495971). Required for sperm flagellum assembly and stability (PubMed:29606301).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211268