

Product datasheet for **RG207308**

C6orf165 (CFAP206) (NM_001031743) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf165 (CFAP206) (NM_001031743) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C6orf165
Synonyms:	C6orf165; dj382110.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207308 representing NM_001031743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCCAACTCAGGCCGAAAGTGTATAAAGGAGTATTACGAGAAATAGGACAAGAATGTGCAGCCC
 ATGGAGAGATTGTTTCTGAAACTCTGATTGCTTTTATGGTGAAAGCTGTTGTCCTGGATCCAAGTAAATGG
 CTTTAACATGGATAGAACCCTCATGAAAAGTGATGTGCAGAATCTTGTTAAGCTTTGATGACTCGGCTA
 TTGGATACTAAAAATCCATCCCTGGACACTATTAAGATGCAAGTCTACTTCGATATGAATTATACGAATC
 GAGTGGAAATTTCTCGAAGAACATCACCGGGTCTAGAGTCTAGATTAGGCTCTGTTACCCGAGAAATAC
 AGATAACAGAGCATGTGCTAAAGAAGAATTGGAAAGCCTCTACCGGAAGATTATCAGCTATGTGTTACTC
 CGCTCTGGCCTTGGATCCCCTACAGACATCAAGACTGTGAGAGAGGTAAACAGCTGCTCTACAGAGTGT
 TTCTCAGGCAGAGCTTGGGACATTTCTAACTCTTTCTAAGAAGGACAAAGAACGCCAGCTGAAAGAAT
 CACCATGATTGTTACTGGAATTCGTTTATTTAACAGAGACTGTGAAAAGGAGGAGAAGGCATTGATGAT
 TTGCCAGCTGTTCTCCATGTAGCAATCCCAGCCACCATGCAGCATATTGATTACAGCTTGAGACTGCC
 GGAGCCAGGTATACCGCTACACAGCCATCCTTGAGAAGGCAGCCAACGACCCACTCATGAGGGCTGAACT
 TCAGCCATATATGTTAAAAGAAGCGCTATATAATATACGACAATATGAGGTCTTCCCTCAGATCATTTTG
 TCAGATAATAACTGGTGCTCAAGAAGTGAAATGATGACAAAACAGTTAGGAGCCCATCTGGAACAAC
 TAAAAATGACCATAAAATCAAAGATAGCGGTCCCAACATCACAAGCTTTTCTATCTTCATTGCACCTTC
 TACTCTGTGGACCAGCTTGAAGACGAACTATCTTCTGAGAGAGTGATGCAATGTCATCTTAATGGAGCGA
 CAGCCATCTTGGGTGCTCACGAACTATACTTCTGAGAGAGTGATGCAATGTCATCTTAATGGAGCGA
 CTGTGAAAACACTGATGTGTGTAAGTAAAGAACACATGGAAGATAGAGTAAATGTGGCAGATTTGAGAAA
 ACTAGAATGGCTTTTCCAGAAAACACAGCAAAATTTTGATAAACTGTTAATCAATATCGGGGATTTTGT
 GCTTACACGTTTCTGCAACAGATGGTCTTCTCCTTCCAGGAAATCCAGCAATTGGAATTTAAAAATATA
 AAGAAAAATATTACATTCAATAGTAAAGATGCTGCATATTCATTTGCAGAAAACTGAACTTATAT
 TGACATAGTTAGAGAAAAGGCCAAAAAATACAGAGTTAATCAACTATTGGAACCTCATCAACAGTTT
 GAAACATTTATCCATATTTCTCAGATGAGAGATGCTGACAAACATTATATAAAACCAATTACAAAATGTG
 AAAGTAGCACACAGCAATACACACATACTGCCACCAACGATTGTGAGATCATATGAGTGAATGAATG
 GGAATTAAGAAGAAAAGCTATAAAATTGGCTAATTTGCGCCAGAAAGTTACTCACTCAGTACAACTGAT
 CTTAGTCACTTGAGAAGAGAAAATTTGTTCCAAGTGTACCCTCCAAGGACACTAGCACCCAGTCCATGA
 GGAAGACAGCACTGGGGTGCCAGGCCTCAGATTTACTTGGCTGGTCTTCGTGGAGGAAAGAGCGAAAT
 CACCGATGAGGTCAAGGTGAACTTAACTAGAGATGTGGATGAAACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207308 representing NM_001031743
 Red=Cloning site Green=Tags(s)

MPPTQAESVIRSIIREIGQECAAHGEIVSETLIAFMVKAVVLDPSNGFNMDRTLKMSDVQNLVKLCMTRL
 LDTKNPSLDTIKMQVYFDMNYTNRVEFLEEHRVLESRLGSVTREITDNRACAKEELESYRKIIISYVLL
 RSLGSPDIDIKTVREVTAAALQSVFPQAEAGTFLTL SKKDKERQLKELTMIVTGIRLFNRDCGKGGEGIDD
 LPAVLHVAIPATMQHIDYQLETARSQVYRYTAILEKAANDPLMRAELQPYMLKEALYNIRQYEVFLQIIL
 SDIITGAQEVEMTKQLGAHLEQLKMTIKSKIAVPTSQVFPFI FIALSTLWLSLQDETIVVGVLSNLFTHI
 QPFLGAHEL YFPERVMQCHLNGATVKTDVCRMKEHMEDRVNVADFRKLEWLFPETTANFDKLLIQYRGFC
 AYTF AATDGLLLPGNPAIGILKYKEYYTFNSKDAAYSFAENPEHYIDIVREKAKKNTELIQLLELHQF
 ETFIPYSQMRDADKHAIKPI TKESSTQTNTHILPPTIVRSYEWNEWELRRKAIKLANLRQKVTHSVQTD
 LSHLRRENCQVYPPKDTSTQSMREDSTGVRPQIYLAGLRGGKSEITDEVKVNLTRDVEDT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001031743

ORF Size: 1866 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_001031743.3](#)

RefSeq Size: 2215 bp

RefSeq ORF: 1869 bp

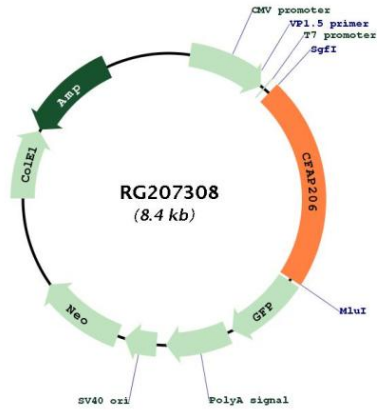
Locus ID: 154313

UniProt ID: [Q8IYR0](#)

Cytogenetics: 6q15

Gene Summary: May regulate cilium motility through its role in the assembly of the axonemal radial spokes.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207308