

## Product datasheet for **RG206222**

### **C16orf71 (NM\_139170) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C16orf71 (NM_139170) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C16orf71
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG206222 representing NM\_139170  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCATCCAACGATAAAGGCATGGCACCTCGCTGGGCTCTCCCTGGGCTCCCGATGGGGCCCTGGG  
 ATGCCATCCTCAAGGCTGTCAAAGACCAGCTCCGGTCTCTGGAAGTCCAGACTCCCTTTGTGGACTATGG  
 GGAAGAGGAGCTGTTTCATCTCCAGCGAAACCAACCTCCCTGATTCCAGACCTGTCGGAGGAGCTGGCT  
 GAAGATCTGCCGATGGCGACAAGTCCAGGGCCTGGGTGCTGCAGCTGAAGAGTCCCTTCCCGAGCCAG  
 TTCTGGTGCCTGCAGAATTGGCCACAGAACCTGGGTGCAGACAGAACACAAGGACAAAGGATGCATCCTC  
 TCAGGAAGGAAGAGACCCTGGCAGGCCTTTTGAAGCTCTGGTGAAGTCAAGCTCTTCTGGGATGGCC  
 GAGGAGCCCCCAGGTGGCTGGAAGGCGACCTTGAAGCCTGTCTTTCAACACCAAGGATCCCAGGGTC  
 CTCCTGGGACCCACAGGCCGAAGCCACTCTCTCTGCCATGAAGGAGACCCAAAGGCAGAGCCCCCTCAG  
 CACTGCCTCACAAGAATCTGTGAACCGCCGGGCCCTCCGACAGGAGAGAAGGAAGATGATAGAGACGGAC  
 ATCCTCCAGAAAATCACCCGGGATGCCTGCGGCCCGACCAGCAGTGACAAAGGTGGGGTGAAGGAGGCGC  
 CCTGCCACGCTGCGGAGTCAAGTCCCAGATCCAAAATGCCCTCTGGAGCCTCCGGAGGGACCACCACT  
 GCTCTCGTCCAGCAACTGAAGCGTGGGATTTGGATGACATCCTTCCAGAGTCTGGCGGACAAAGAGAC  
 AACCAGGGAAATCGTGCACCTGGAAGTGTGTGGTGGGAGCTGACCACCGCAAGTTCAGACTGCATGG  
 TGCCGAGCGCCCAACAGGCTCATGGAACAGCTGGCCCTCCTGTGCACCACGCAGTCCAAGGCCTCTGC  
 TTGTGCCCGAAGGTGCCTGCCGACCTCCCAGGACACCAAAGAGGCAGATTCAAGGAGCAGATGTGCC  
 TCAAGGAAGCGGGGCTCCCAGGCTGGCCAGGCCCGCAGCTGGCCAGGGCATGAGGCTTAACGCAGAGT  
 CCCCCACCATCTTTATTGACCTGCGGCAGATGGAGTACCAGACCCTGTCCCCAGAAAGCTCCAGCCA  
 CAGCTCCTCTGACAGTGAGGAGGAGGAGGAGAAAGAGATGGCAGCTCTGGGAGACGCAGAGGGGGCATCT  
 CCTTCTCCCTGGGGCTACGGACCTGTACCGGAAAAGCCAGCTTCTCCAGCAGCTCAGGCGCTTTCAGA  
 AGGGGACAGCCAGCCGAGCTGCCTGCCAGCAAGGGGCCCGGGTGGGAGGGCTCAGGCCCTTGAAGA  
 CACAGCTGGATCACGAAGTGGGAGGAAGCAACACATGAAGCTCTGTGCAAGGGGAGAGCGCCAGGCT  
 CGACTCCCAAGAGGCAGGCCAGAGCCCTGGGGATGTTCTGAGCCAGGGGCAGCCAGGGAGGCCCTGA  
 TGCTCCTCTGGAGCACTA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG206222 representing NM\_139170  
 Red=Cloning site Green=Tags(s)

MASNDKGMAPSLGSPWASRMGPWDAILKAVKDQLPSLSDSPLSDYGEELFIFQRNQTSLIPDLSEELA  
 EDPADGDKSRAWVAAAEESLPEPVLVPAELATEPGCRQNRTRTKDASSQGRDPGRPFESSGEVSALLGMA  
 EEPWRLEGLDLSLNFNTKGSQPPWDPQAEATLSCHGEDPKAEPLSTASQESVNRRLRQERRKMIETD  
 ILQKVTRDAGPTSSDKGGVKEAPCHAAESAPRSKMPLVEPPEGPPVLSLQQLAWDLDDILQSLAQED  
 NQGNRAPGTVVWAADHRVQDCMVPSAHNRLMEQLALLCTTQSKASACARKVPADTPQDTKEADSGSRCA  
 SRKRGSAQAGPQLAQGMRLNAESPTIFIDLRQMELPDHLSPSSSHSSDSEEEEEEMAALGDAEGAS  
 PSSSLGLRTCTGKSLLQLRAFQKGTAPQLPASKGPPAGGQALEDTAGSRTGRKQHMKLCAKGGQSAQA  
 RLPRGRPRALGDVPEPGAAREALMPPLEQL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_139170

**ORF Size:** 1560 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\\_139170.2](#), [NP\\_631909.2](#)

**RefSeq Size:** 2716 bp

**RefSeq ORF:** 1563 bp

**Locus ID:** 146562

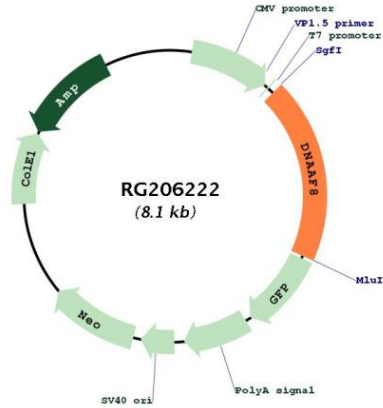
**UniProt ID:** [Q8IYS4](#)

**Cytogenetics:** 16p13.3

**Gene Summary:**

In ciliated cells, dynein axonemal particle-specific protein required for deployment of ODA to the axoneme. Interacts with outer dynein arm (ODA) subunits.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG206222