

## Product datasheet for **RG214935**

### **C16orf72 (NM\_014117) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf72 (NM_014117) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C16orf72
Synonyms:	PRO0149
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214935 representing NM_014117 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGCGGAAGGAGGGGCGAGGCCGAGATCCAGGAGCACGGGCCGAGCACTGGTTCTCCAAGT  
GGGAGCGGCAGTGCCTGGCCGAGGCCGAACAGGACGAGCAGCTGCCCCCGAGCTGCAGGAGGAGGCGGC  
GGCCGCCGCGCAGCCGAGCACAAGCAGCAGAAGCTGTGGCACCTTCCAGAACTCGGCCACCGCCGTG  
GCCAGCTCTACAAAGACCGAGTGTGTCAGCAGCCAGGACTTTCTCTCTGGGTCCCCTTCCAAAACGCAG  
CCACCGCCGTACCAATCTCTACAAAGAAAGCGTGGATACCCATCAACGAAGTTTGATATTGGAATTCA  
GATTGGCTATCAGCGACGCAATAAGGATGTGTTGGCTTGGGTTAAAAACGCAGAAGAAGTATTCGTCGA  
GAAGATTTGATCAGCTTCTGTGTGAAAAGTTCTCCACCACGAACTCTAGAGCTCCCCAAGACTGA  
CTGTAGTGTCCCCTAACCGAGCTACTTCAACGAACTAGCTCATCTGTAGAGACTGATTTGCAACCCCTT  
CCGGGAAGCCATAGCTCTGCATGGTCTTAGTGGTGCAATGGCTAGTATAAGCGTGCCTTCGAGTACCCCA  
GGCTCTCCTACACATGTAAGCAGTGGATCGAATGCTAGTCGAAGGAGAAATGGACTCCATGATGTCGATT  
TGAACACTTTCATATCAGAAGAAATGGCACTCCACTTGGCAATGGTGGAACTAGAAAGCGTACCTCAGC  
CCAGTGTGGCGATGTCATTACAGACTCACCAACCCATAAACGCAACAGAATGATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG214935 representing NM\_014117  
 Red=Cloning site Green=Tags(s)

```
MEERKEEGEAEIQEHGPEHWF SKWERQCLAEAEQDEQLPPELQEEAAAAAQPEHKQKQLWHLFQNSATAV
AQLYKDRVCQQPGLSLWVPFQNAATAVTNLYKESVDTHQRSFDIGIQIGYQRRNKDVLAWVKRRRTIRR
EDLISFLCGKVPVPPRNSRAPPRLTVVSPNRATSTETSSSVETDLQPFREAIALHGLSGAMASISVRSSTP
GSPTHVSSGSNASRRRNLHDVDLNTFI SEEMALHLDNGGTRKRTSAQCGDVITDSPTHKRNMI
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014117

**ORF Size:** 825 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\\_014117.3](#)

**RefSeq Size:** 3996 bp

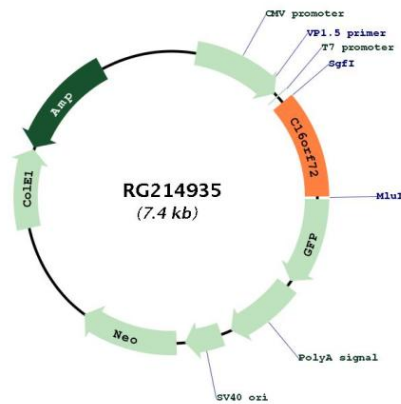
**RefSeq ORF:** 828 bp

**Locus ID:** 29035

**UniProt ID:** [Q14CZ0](#)

**Cytogenetics:** 16p13.2

**Product images:**



Circular map for RG214935