

## Product datasheet for **MG207609**

### Tube1 (NM\_028006) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tube1 (NM_028006) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tube1
Synonyms:	2310061K05Rik; AI551343; Tube
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207609 representing NM\_028006  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCAGTCGGTGGTCTACAGTTCGGACAGTTCGGGAACCAGATCGGCTGCTTCTGGACCTGG  
 CGCTGAGGGAGCACGCAGCGGTCAACCAGAAAGGAATTTATGACGACGCTATAAGCAGCTTCTTCAGGAA  
 TGTGGATACCAGAGCTGTTGGGGATGGTGGCAGTATTTCCAAAGGAAGAATATCTTCTCTAAAAGCACGG  
 GCTGTTTTGATTGACATGGAAGAAGGCGTAGTGAATGAAATTCCTCAAGGCCACTGAGAGACGTGTTTG  
 ATAGCAAACAGCTCATCACTGATATCTCTGGCTCGGAAATAATTGGGCTGTGGGTACAAAAGTTTTGG  
 ATGTCTTTACCGGAACAGATTTAGAGAACTGCGGAAGTTCGGCAGAGCAGTGCATTGCTTACAGTGC  
 TTCTTCATCATCCACTCCATGGGCGGAGAACAGGCTCTGGGCTTGGCACATTTCTGTTAAAGGTTCTTG  
 AAGATGAATCCAGAAGTGTACCGTTTGTGACAGCGTTTATCCTTCCAGTGAAGACGATGTCATCAC  
 CTCGCCTTATAACAGTATGCTGGCCATGAAGAACTGAATGAGCATGCAGACTGTGTGCTGCCATTGAC  
 AACCAATCTTTATTTGACATCATTAGCAAATGATCTTGTGGTAAATTCGAAAAGTTGGGCTCAGCTG  
 TGAAGCCTAAGAGTCTCATTACGTCGAACATGGGGCTGTTAAAAAGCACCACAAGAAGCCCTTCGACGC  
 CATGAACAACATTGTGGCGAACCTGCTCCTCAGCCTGACAAGCTCTGCGAGGTTTGGGGCTCCCTCAAT  
 ATGGACCTGAATGAGATCAGCATGAACTGGTTCTTTCCCGAAGCTTCAATATCTCGTGTCAAGCCTGA  
 CACCTCTGTACACGCTGGCCGATGTTAACATCCCCCCGAAGACTGGATCAGATGTTTTCAGACGCCTT  
 TAGTAAGGATCACCAGCTCATCCAAGCAGACCCAGACATAGCCTCTACCTTGCTGTGCCCTCATCGTT  
 AGAGGAAACGTACAGATTTCCGATCTTCGAGAAATATTGAAAGATTAACCTGCTCTGCAGTTTGTCT  
 CCTGGAATCAAGAAGGCTGGAAGACCAGCCTGTGTTCTGTACCGCCTGTGGGCCACTCGCATTCTGTG  
 AGCTTTAGCAAATAACAGTGTGTGAAGCCTACCTTCATGGAGCTGAGAGAAAGGTTACAAGGCTCTAC  
 AAGAAAAAGGCTCACCTCCATCACTACCTGCAAGTTGATGGGATGGAGGAAAGCACTTTTACGGAAGCTG  
 TGTCTCTCTGTGACGCTCATAAGGAGTACAGTGCCTCGATGCCACAAGAGCCTGCCTGTGCCAGA  
 TGTGCCAGGTTGAGTGTGCCTTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207609 representing NM\_028006  
 Red=Cloning site Green=Tags(s)

MTQSVVVQVQCGNQIGCCFWDLALREHA AVNQKGIYDDA ISSFFRNVDTRAVDGGGSIKGRISLTKAR  
 AVLIDMEEGVVNEILQGPLRDVFDKQLITDISGSGNNWAVGHKVFGLYREQILEKLRKSAEQCDLQC  
 FFIIHSMGGGTGSLGTLFLKVLKLEDEFPEVYRFVTAVYPSSEDDVITSPYNSMLAMKELNEHADCVLPID  
 NQSLFDIISKIDLVVNSGKLGSAVKPKSLITSNMGAVKKHHKKPFAMNNIVANLLLSLTSARFEGSLN  
 MDLNEISMNLVFPKHLHYLVSSLPLYTLADVNI PPRRLDQMFSDAFSKDHQLIQADPRHSLYLACALIV  
 RGNVQISDLRRNIERLKPALQFVSWNQEGWKTSLCSVPPVGHSHSLALANNTCVKPTFMELRERFTRLY  
 KKAHLHHYLQVDGMEESTFTEAVSSLSALIQEYSDLDATKSLPVPDVPRLSVAL

**TRTRPLE** - GFP Tag - V

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2297\\_b04.zip](https://cdn.origene.com/chromatograms/ja2297_b04.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_028006

**ORF Size:** 1425 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

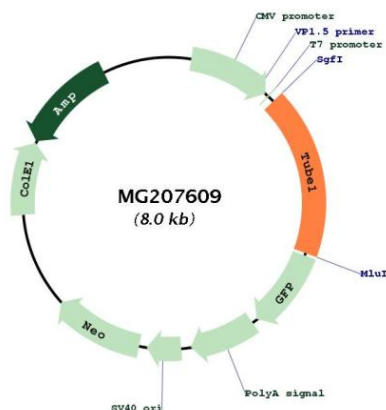
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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\\_028006.2, NP\\_082282.1](#)  
 RefSeq Size: 2929 bp  
 RefSeq ORF: 1428 bp  
 Locus ID: 71924  
 UniProt ID: [Q9D6T1](#)  
 Cytogenetics: 10 B1

**Product images:**



Circular map for MG207609