

## Product datasheet for **MG207133**

### **Tubb6 (NM\_026473) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tubb6 (NM_026473) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tubb6
Synonyms:	2310057H16Rik; BB220206
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207133 representing NM\_026473  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGGAGATTGTGCACATCCAGGCGGGCCAGTGCGGGAACCAGATCGGTACCAAGTTTTGGGAAGTGA  
 TCAGTGATGAGCACGGCATCGACCAGGCCGAGGCTACGTGGGCGACTCAGCGCTGCAGCTGGAGAGGAT  
 CAGCGTCTACTACAATGAGTCATCCTCTAAGAAGTACGTACCCAGGGCTGCCCTGGTGGACTTGGAGCCC  
 GGCACCATGGACAGTGTGAGGTCTGGGCTTTTGGGCAACTCTCCGGCCTGACAACCTCATCTTCGGAC  
 AGACGGGTGCCGAAACAACCTGGGCCAAGGGTCACTACACGGAGGGCGCGGAGCTGGTGGATTGGTGTCT  
 GGATGTGGTGCACAAGGAGTGTGAGCATTGCGACTGTCTTCAGGGCTTCCAGCTCACCCACTCGTGGGC  
 GGTGGCACGGCTCAGGCATGGGCACACTGCTCATCAGCAAGATCCGAGAGGAGTACCCGGACCGCATCA  
 TGAACACCTTCAGCGTCATGCCGTACCCAAGGTCTCAGACACCGTGGTGGAGCCCTACAACGCCACATT  
 GTCAGTGCACCAGCTGGTAGAGAACCCGACGAGACCTACTGCATCGACAACGAGGCCCTCTATGACATC  
 TGCTTCCGCACGCTCAAGCTGACCACACCCACTTACGGGGACCTCAACCCTTGGTATCCGCCACCATGA  
 GCGGTGTACCCACATCACTGCGTTTCCCTGGCCAACTCAACGCCGACCTGCGCAAGCTGGCTGTGAACAT  
 GGTGCCATTTCCACGCTCTCCACTTCTTCATGCCCGGCTTTGCCCCCTCACAGCCCGGGGAGTCAGCAG  
 TACCGTGCCCTGACAGTGCTGAGCTCACACAGCAGATGTTTCGATGCCAAGAACATGATGGCTGCCTGTG  
 ACCCAGCCATGGCCGCTACCTGACCGTCGCCACTGTCTTCCGGGGCCCCATGTCATGAAGGAGGTGGA  
 CGAGCAGATGTGGCCATCCAGAACAAGAACAGCAGCTACTTTGTGGAGTGGATCCCCAACAAATGTCAAG  
 GTAGCTGTGTGCGACATCCACCACGGGGCTGAAGATGGCCTCCACCTTCAATTGGCAATAGCACTGCCA  
 TCCAGGAGCTATTCAAGCGCATCTCCGAGCAGTCTCGGCCATGTTCCGCCCAAGGCCCTCCTGCACCTG  
 GTTACCAGGTGAGGGCATGGACGAGATGGAGTTACCGAGGCCGAGAGTAACATGAATGACCTGGTGTCC  
 GAGTACCAGCAGTACCAGGACGCCACGGTCAATGATGGGGAAGAGGCATTTGAAGACGAGGATGAAGAAG  
 AGATCAACGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207133 representing NM\_026473  
 Red=Cloning site Green=Tags(s)

MREIVHIQAGQCGNQIGTKFWEVISDEHGIDQAGGYVGDALQLERISVYYNESSKKYVPRAALVDLEP  
 GTMDSVRSRGGPFGQLFRPDNFIQGTGAGNNWAKGHYTEGAELVDSVLDVVRKECEHCDCDCLQGFQLTHSLG  
 GGTGSGMGTLLISKIREEYPDRIMNTFSVMPSPKVSDTVVEPYNATLSVHQLVENTDETYCIDNEALYDI  
 CFRTLKLTTPTYGDLNHLVSATMSGVTTSLRFPQGLNADLRKLAVNMPFPRLHFFMPGFAPLTARQSQQ  
 YRALTVPELTQQMFDANKMMAACDPRHGRYLTVATVFRGPMMSKEVDEQMLAIQNKNSSYFVEWIPNNVK  
 VAVCDIIPRGLKMASTFIGNSTAIQELFKRISEQFSAMFRRKAFLHWFTGEGMDEMEFTEAESNMNDLVS  
 EYQQYQDATVNDGEEAFEDDEEEINE

**TRTRPLE** - GFP Tag - V

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2727\\_e06.zip](https://cdn.origene.com/chromatograms/ja2727_e06.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_026473

**ORF Size:** 1341 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:**

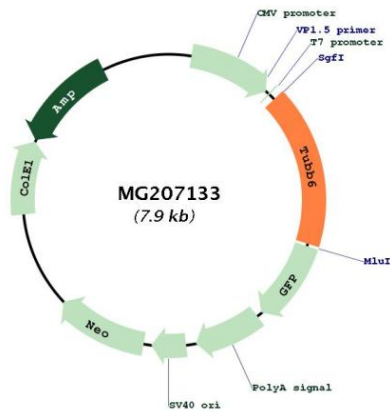
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_026473.2](#), [NP\\_080749.2](#)

RefSeq Size: 1807 bp  
 RefSeq ORF: 1344 bp  
 Locus ID: 67951  
 UniProt ID: [Q922F4](#)  
 Cytogenetics: 18 E1

**Gene Summary:** Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG207133