

## Product datasheet for **MG207203**

### **Tubg2 (NM\_134028) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tubg2 (NM_134028) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tubg2
Synonyms:	A1504772; Tubgl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207203 representing NM\_134028  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCGGGAGATCATCACCTGCAGCTGGGCCAGTGCGGCAACCAGATTGGGTTTCGAGTCTCGAAAC  
 AGCTGTGTGCTGAACATGGAATCAGCCCCGAGGGCATCGTAGAGGAGTTCGCCACCGAGGGCACTGACCG  
 AAAGGATGTCTTTTTCTACCAGGCAGATGATGAGCACTACATCCCCGGGCTGTGCTGCTGGACCTGGAG  
 CCCCGGGTGATCCATTCCATCCTCAACTCCTCCTATGCTAAGCTCTACAACCCGGAGAACATCTACCTGT  
 CGGAGCATGGCGGAGGAGCTGGCAACAAGTGGGGCAGAGGATTCTCCAGGGTGAGAAAATTCACGAGGA  
 CATCTTTGACATTATAGACCGAGAAGCAGATGGAAGTGACAGTCTAGAGGGATTTGTGCTATGCTACTCC  
 ATTGCTGGGGGACAGGTTCTGGTCTGGGCTCCTACCTCTAGAGCGACTGAACGACAGGTACCCCAAGA  
 AATTGGTGACAGATACTCAGTGTTCACAACCCAGGACGAGATGAGTGATGTAGTGGTCCAGCCCTACAA  
 CTCCTCCTCACACTAAGAGGCTGACCCAGAATGCGGACTGCGTGGTGGTGGTGGACAACACAGCCCTG  
 AACCGGATCGCCACAGACCGCCTACACATCCAGAACCCATCCTTCTCCAGATCAACCAGCTGGTGTCCA  
 CCATCATGTACAGCCAGCACCACCCTGCGCTACCCTGGATACATGAACAATGACCTCATCGGCCTCAT  
 CGCCTCGCTCATTCCCACCCCTCGGCTCCACTTCTCATGACTGGCTACACCCCTCACCACGGACCAG  
 TCAGTGGCCAGTGTGAGGAAGACAACAGTCTGGATGTCATGAGGCGCCTGCTACAGCCCAAGAATGTGA  
 TGGTGTCCACAGGTGGGATCGTCAGACCAACCACTGCTACATCGCCATCCTCAACATCATCCAGGGAGA  
 GGTAGACCCACCCAGGTCCACAAGAGCCTGCAGAGGATCCGGAAAGGAAACTGGCCAACCTTATTCCC  
 TGGGGCCAGCCAGCATCCAGGTGGCCCTGTCAAGGAAGTCTCCCTACCTGCCCTCAGCCACCCGGTCA  
 CGGGGCTCATGATGGCCAACCACACAGTATCTCCTCGTTTTTTGAAAGTTCCTGCCAGCAGTATGACAA  
 ACTGTGGAAGCGGGGGCCCTTCTGGAACAGTTTCGCAAGGAGGACATCTCAAGGACAACCTTGAGGAG  
 ATGCACAGATCGAGGGAGGTGGTGCAGGAACCTATTGACGAGTACCACGCGGCCACCCGGCCGACTACA  
 TCTCCTGGGGTACCCAGGAGCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207203 representing NM\_134028  
 Red=Cloning site Green=Tags(s)

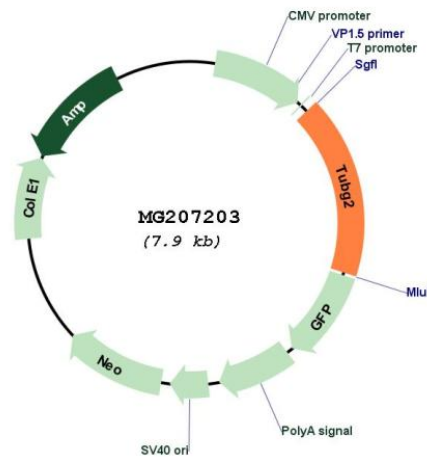
MPREIITLQLGQCGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTRKDVFFYQADDEHYIPRAVLLDLE  
 PRVIHSILNSSYAKLYNPENIYLSEHGGAGNNWGRGFSQGEKIHEDIFDIIDREADGSDSLEGFVLCBS  
 IAGGTGSLGSLYLLERLNDRYPKKLVQYTSVFPNQDEMSDVVVQPYNSLLTLKRLTQNADCVVLDNTAL  
 NRIATDRHLHIQNPFSQINQLVSTIMSASTTLRYPGYMNNDLIGLIASLIPTPRLHFLMTGYTPLTTDQ  
 SVASVRKTTVLDVMRRLQLPKNVMVSTGRDRQTNHCYIAILNIIQGEVDPTQVHKSLQRIRERKLANFIP  
 WGPASIQVALSRKSPYLPSAHRVSGLMANHTSISSESSCQYDKLWKRGAFLQFRKEDIFKDNFEE  
 MHRREVVQELIDEYHAATRPDIISWGTQEQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_134028

ORF Size: 1353 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_134028.2</a>
<b>RefSeq Size:</b>	1771 bp
<b>RefSeq ORF:</b>	1356 bp
<b>Locus ID:</b>	103768
<b>UniProt ID:</b>	<a href="#">Q8VCK3</a>
<b>Cytogenetics:</b>	11 D
<b>Gene Summary:</b>	Tubulin is the major constituent of microtubules. The gamma chain is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome. Pericentriolar matrix component that regulates alpha/beta chain minus-end nucleation, centrosome duplication and spindle formation (By similarity).[UniProtKB/Swiss-Prot Function]