

## Product datasheet for **MG213759**

### Gtpbp10 (NM\_153116) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gtpbp10 (NM_153116) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gtpbp10
Synonyms:	4930545J22Rik; BC034507
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213759 representing NM_153116 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCCTGCGGTTGCGCTTTGTTGAGAAAGTATGAAATTTTCATTGATAACCTGAGAATCTTCACCA  
AGGGAGGAAGCGGTGGAATGGGTTACCCCTGTTTAGGTGGAGAAGGTGGAAGAGGTGGTACGCTGGGT  
TGTGGCCATAAAAAATGACCTTAAACAACCTAAAAACAAATATCCTCAGAAACGGTTTGTGGCCGA  
GGAGGAGCAAACAGTCGAGTTAGCGCACTGCAGGGCTCCAAGGAAAGGACTGTGAAGTGCCTGCTCCTG  
TGGGTATCTCAGTAACTGATGAAAACGGCCAAGTCTAGGAGAACTCAATAAAGAAGAAGACAGAGTTCT  
GGTTGCTAAAGGTGGCCTTGGTGCAAAATTACATACAAATTTCTTACCTTGAAGGTGAGAAGCGCATA  
GTTACCTTGACCTAAAAGTCATAGCTGATGTAGGCCTAGTAGGATTCCTCAAAATGCTGGAATCCTCCT  
TACTGAGTCGGGTTTCCCATGCTACACCTGTGATTGCAGATTATGCGTTTACAACACTAAGGCCTGAACT  
CGGAAAGATTATGTACAATGATTTCAAACAGATTTTCAGTAGCTGATCTCCAGGTTTGTAGAAGGAGCG  
CATATGAACAAAGGCATGGGCCACAAGTTCTCAAGCATTTAGAGAGAACCAGACAACCTGCTTTTGTG  
TTGATATTTCTGGGTTTCAGCTTCTTCTGTAACCTCCATATAGGACTGCCTTTGAACTATAAATCTCT  
CACAAAAGAGTTGGAGTTGTACAAGAAGAAGTACAGACAAAACCCGCACTCTTAGCAATTAATAAGATG  
GACTTGCCGGATGCCAAGTTAACTTCAGGAAGTGAAGCAGCTCCTGAGCCCTGAAGATTTTCTGC  
ATTTATTTGAAACAAAGATGATTCAGAGAAGGCTCTAGAGTTCCAGCATATCGTTCCCATCTCAACAGT  
CACTGGGGAAGGCATTGCAGAGTTGAAGAGCTGTATAAGGAAAGCACTGGATGAACAGGATGGCAAAGAA  
AGTGATGCGCATCGGAGCAAACAGTTGCTCAATTTGCAGAGTTCCAGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG213759 representing NM\_153116  
Red=Cloning site Green=Tags(s)

MVRCGCALLRKYGNFIDNLRIFTKGGSGMGYPRLGGEGGRGGDVVVVAHKNMTLKQLKNKYPQKRFVAG  
 GGANSRVSALQGSKGDCEVPAPVGI SVTDENGQVLGELNKEEDRVLVAKGGLGGKLHTNFLPLKGGQKRI  
 VHLDLKVIADVGLVGFNPAGKSSLLSRVSHATPVIADYAF TTLRPELKGIMYNDFKQISVADLPLGIEGA  
 HMNKGMGHKFLKHLERTRQLLFVVDISGFQLSSVTPYRTAFETIILLTKELELYKEELQTKPALLAINKM  
 DLPDAQVKLQELMKQLLSPEDFLHLFETKMIPEKALEFQHIVPISTVTGEGIAELKSCIRKALDEQDGKE  
 SDAHRSKQLLNLQSSS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153116

**ORF Size:** 1098 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\\_153116.2](#)

**RefSeq Size:** 2932 bp

**RefSeq ORF:** 1101 bp

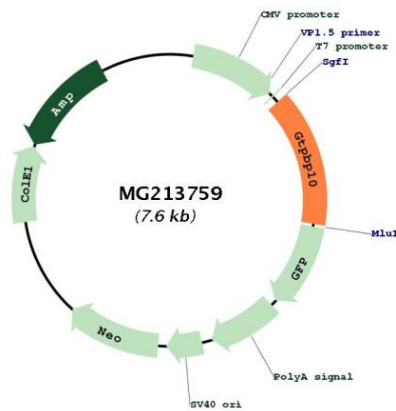
**Locus ID:** 207704

**UniProt ID:** [Q8K013](#)

**Cytogenetics:** 5 A1

**Gene Summary:** May be involved in the ribosome maturation process.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG213759