

Product datasheet for **MG207086**

Tubb4a (NM_009451) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tubb4a (NM_009451) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Tubb4a |
| Synonyms: | A1325297; M(beta)4; Tubb; Tubb4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG207086 representing NM_009451
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGGAAATCGTGCACCTGCAAGCCGGTCAATGCGGTAAACAGATCGGGGCCAAGTTCTGGGAGGTCA
 TCAGTGATGAGCACGGCATCGACCCCACTGGGACCTATCATGGGACAGTGACCTCCAGCTGGAGAGGAT
 CAATGTCTACTACAATGAGGCCACAGGTGAAACTATGTTCCAGAGCCGTGCTGGTCCGACTGGAACCC
 GGCACCATGGACTCTGTCCGCTCCGGCCCTTTGGCCAGATCTTTCGGCCAGACAACCTTTGTATTTGGTC
 AATCCGGAGCAGGCAACAACCTGGGCCAAGGGTCACTACACCGAGGGCGCGGAGTTAGTGGATGCCGTCT
 GGACGTGGTGCACAAAGAGGGCGGAAAGCTGCGACTGTCTCAGGGCTTCCAGCTCACCCACTCGCTCGGA
 GGTGGCACCGCTCAGGCATGGGACCTTGCTCATCAGCAAGATCCGAGAGGAGTTCCAGACAGGATCA
 TGAATACGTTACGCTGGTCCATCACCAAGGTGTCTGACACGGTGGTGGAGCCCTACAATGCCACACT
 GTCTGTGCATCAGCTGGTGGAGAACACTGATGAGACCTACTGCATCGACAACGAGGCCTGTACGACATC
 TGCTTCCGCACGCTCAAGCTGACCACGCCACCTACGGGGACCTCAACCACCTCGTGTACGCCACCATGA
 GTGGAGTCAACCTGCCTACGTTTCCCGGCCAGCTCAATGCAGATCTACGCAAGCTGGCTGTGAATAT
 GGTGCCATTCCCCGCTCTCCACTTCTTCATGCCAGGATTGCGACCCTTGACCAGCAGGGGCGCCAGCAG
 TACCGGGCCCTCACCGTTCCTGAGCTGACCAACAGATGTTTCGATGCTAAGAACATGATGGCTGCGTGTG
 ACCCGAGACACGGTTCGCTACCTGACTGTGGCTGCTGTCTCCGGGACCGGATGTCATGAAGGAGGTAGA
 CGAGCAGATGTTAAGTGTGACAGCAAGAACAGCAGTTACTTCGTTGAGTGGATCCCCAACAAATGTCAAG
 ACAGCCGTATGTGACATCCCACCCCGGGCCCTGAAGATGGCAGCCACCTTCATCGGCAACAGCACTGCCA
 TCCAGGAGCTGTTCAAGCGCATCTCGGAGCAGTTCACCGCCATGTTACAGACGCAAGGCCTTCTGCACCTG
 GTACACGGGCGAAGGCATGGACGAGATGGAGTTTACGGAAGCAGAGAGCAATATGAACGACCTGGTGTCC
 GAGTACCAGCAGTACCAGGATGCCACTGCTGAAGAGGGCGAGTTCGAAGAGGAGGCTGAAGAGGAGGTGG
 CT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207086 representing NM_009451
 Red=Cloning site Green=Tags(s)

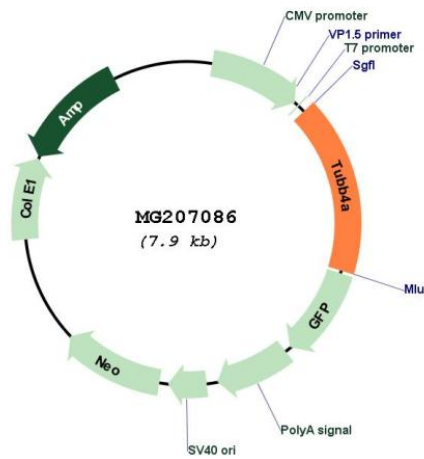
MREIVHLQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSLQLERINVYYNEATGGNYVPRAVLVDLEP
 GTMDSVRSRGGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDAVLDVVRKEAESDCDCLQGFQLTHSLG
 GGTGSGMGTLISKIREFFPDRIMNTFSVVPSPKVSDDTVEPYNATLSVHQLVENTDETYCIDNEALYDI
 CFRTLKLTPTYGDLNHLVSATMSGVTTCLRFPGQLNADLRKLA VNMVFPRLHFFMPGFAPLTSRGSQQ
 YRALTVPELTQQMFDANKMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLSVQSKNSSYFVEWIPNNVK
 TAVCDIPRGLKMAATFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMEDEFTEAESNMNDLVS
 EYQYQDATAEEGEFEFEAEVEVA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_009451

ORF Size: 1332 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.

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| 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: | <ol style="list-style-type: none">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_009451.4 |
| RefSeq Size: | 2246 bp |
| RefSeq ORF: | 1335 bp |
| Locus ID: | 22153 |
| UniProt ID: | Q9D6F9 |
| Cytogenetics: | 17 29.66 cM |
| 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] |