

## Product datasheet for **MG207167**

### Tuba1c (BC022182) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tuba1c (BC022182) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tuba1c
Synonyms:	M[a]6; Tuba6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207167 representing BC022182  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCGTGAGTGCATCTCCATCCACGTTGGCCAGGCTGGTTCAGATCGGCAATGCCTGCTGGGAGCTCT  
 ACTGCCTGGAACATGGCATCCAGCCTGATGGCCAGATGCCAAGTGACAAGACCATTGGGGGAGGAGATGA  
 CTCTTCAACACCTTCTTCAGTGAGACAGGAGCTGGCAAGCATGTGCCCCGGGCAGTGTTTGTAGACCTG  
 GAACCCACGGTCAATCGATGAAGTTCGCACTGGCACCTACCGCCAGCTCTTCCACCCTGAGCAGCTCATCA  
 CAGGCAAGGAGGATGCTGCCAATAACTATGCCCGTGGCCACTACACCATTGGCAAGGAGATCATTGACCT  
 TGTCTGGACAGGATTCGCAAGCTGGCTGACCAGTGCACGGGTCTCCAGGGCTTCTTGGTTTTCCACAGC  
 TTTGGCGGGGAACTGGCTCTGGCTTACCTCCCTGCTGATGGAGCGGCTCTCTGTGGATTACGAAAGA  
 AGTCCAAGCTGGAGTTCTCCATTTACCCAGCCCCCAGGTTTCCACTGCTGTGGTTGAGCCCTACAATTC  
 CATCTCACCCACACCACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT  
 GACATCTGTCGTAGAAACCTCGACATTGAGCGCCAACCTACACCAACCTTAACCGCCTTATTAGCCAGA  
 TTGTGTCTTCCATCACTGCTTCCCTCAGATTTGATGGGGCCCTGAATGTTGATCTGACAGAATCCAGAC  
 CAACCTGGTACCCTATCCTCGCATCCACTTCCCTCTGGCCACTTATGCCCTGTCATCTCTGCTGAGAAA  
 GCCTACCACGAGCAGCTTACAGTAGCAGAGATCAACATGCCTGCTTTGAGCCAGCCAACCATGAGTGA  
 AATGTGACCTCGCCATGGTAAATACATGGCTTGTGCTGCTGTACCGTGGTGTGGTTCCCAAAGA  
 TGTCAATGCTGCCATTGCCACCAACAGACCAAGCGTACCATCCAGTTTGTGGACTGGTGGCCCACTGGC  
 TTCAAGTTGGCATTAACTACCAGCCTCCACTGTGGTACCCGGTGGTACCTGGCCAAGGTGCAGAGAG  
 CTGTGTGCATGCTGAGCAACACCACGCCATTGCTGAGGCTGGGCTCGCCTAGATCACAAAGTTGATCT  
 GATGTATGCCAAGCGTGCCTTTGTGCACTGGTATGTGGGTGAGGGCATGGAGGAGGTGAGTTCTCTGAG  
 GCCCGTAGGACATGGCTGCCCTAGAGAAGGATTATGAGGAGGTTGGGGCAGATAGTCTGAAGGAGACG  
 ATGAGGGTGAGGAATAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207167 representing BC022182  
 Red=Cloning site Green=Tags(s)

MRECISIHVQAGVQIGNACWEL YCLEHGIQPDGQMPSDKTIGGGDDSFNTFFSETGAGKHVPRAVFVDL  
 EPTVIDEVRTGTYRQLFHPEQLITGKEDAANNYARGHYTIGKEIDLVLDRIRKLADQCTGLQGFLVFHS  
 FGGGTGSGFTSLLMERLSVDYGGKSKLEFSIYPAPQVSTAVVEPYNSILTHTTLEHSDCAFMDNEAIY  
 DICRRNLDIERPTYTNLNRLLISQIVSSITASLRFDGALNVDL TEFQTNLVPYPRIFPLATYAPVISA  
 AYHEQLTVAEITNACFEPANQMVKCDPRHGKYMACCLLYRGDVPKDVNAAIATIKTKRTIQFVDWCPTG  
 FKVGINYQPPTVVPGGDLAKVQRAVCMLSNNTTAIAEAWARLDHKFDLMYAKRAVHWHYVGEEMEEGEFSE  
 AREDMAALEKDYEEVGADSAEGDDEGEY

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC022182

**ORF Size:** 1349 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:** [BC022182](#), [AAH22182](#)

**RefSeq Size:** 1674 bp

**RefSeq ORF:** 1349 bp

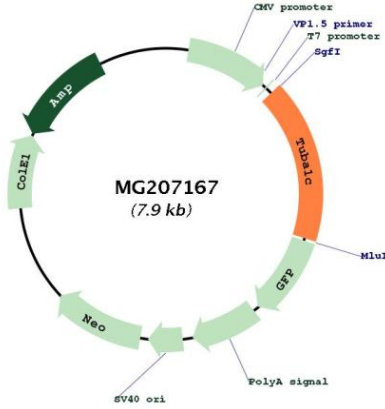
**Locus ID:** 22146

**Cytogenetics:** 15 F1

**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 MG207167