

## Product datasheet for **MG207173**

### Tuba8 (NM\_017379) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tuba8 (NM_017379) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tuba8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207173 representing NM_017379 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGAATGCATATCGGTCCATGTGGGTCAAGCCGGAGTTCAGATTGGCAATGCCTGCTGGGAGCTCT  
TCTGCTTGGAGCACGGCATCCAGGCGGATGGAACCTTTGGCACTCAGGCCAGCAAGATCAACGATGACGA  
CTCCTTTACCACCTTCTCAGTGAGACTGGCAACGGGAAACACGTGCCCGGGCTGTGATGGTGGACCTG  
GAGCCTACCGTAGTAGAGTGGGCGGGCAGGAACCTACCGCCAGCTCTCCATCCTGAGCAGTGATCA  
CAGGCAAGGAGGATGACGCTAACAAATTACGCCCGGGCACTATACGGTGGCAAGGAGATATCGATCT  
GGTGTGGACCGAATCCGTAAACTGACTGATGCCTGCTCCGGCTTGCAGGGCTTCCCTCATCTTCCACAGC  
TTTGGTGGGGCACAGGATCTGGCTTTACTTCTGCTGATGGAGCGCTTTCCCTAGACTATGGCAAGA  
AGTCCAAGCTGGAATTTGCCATCTACCCAGCCCCAGGCTCCACAGCAGTGGTGGAGCCTTAACTC  
CATCCTGACCACCATAACCACCTGGAACATTCCGACTGTGCTTTCATGGTGGATAACGAAGCCATCTAC  
GACATCTGCCGAGGAACCTGGATATTGAACGCCACCTATACCAACCTCAACCGCCTCATCAGCCAGA  
TTGTGCTCCTCCACTGCTCTCTCCGCTTGTGATGGCGCCCTCAATGTGGACCTCACAGAGTTTCAGAC  
CAACCTGGTACCCTACCCCGAATCCACTTCCCGCTGGTCACTTACGCCCCATCATTTCTGCTGAGAAA  
GCCTACCAGGAGCAGCTGTCTGTGGCAGAGATAACTAGCTCCTGTTTCGAGCCCAACAGCCAGATGGTGA  
AGTGTGACCCACGTCATGGCAAATACATGGCCTGCTGCATGCTCTACCGGGTGTGTGGTACCCAAGGA  
CGTGAATGTCGCCATTGCTGCCATCAAGACCAAGAGAATACTTTCAGTTTGTGACTGGTGTCCCACAGGT  
TTCAAGGTGGGCATCAACTACCAGCCACTACTGTGTCGAGGAGGGGACCTGGCCAAAGTCCAGCGAG  
CCGTGTGCATGCTGAGCAACACCACAGCAATCGCAGAGGCTGGGCCCGCCTTGACCATAAGTTTGACCT  
CATGTACGCCAAGCGGCCTTTGTACATTGGTATGTTGGAGAGGGTATGGAAGAAGGAGAGTTTTCTGAG  
GCCAGGGAGGACCTGGCTGCTCTGGAGAAGGATTATGAAGAAGTGGGACTGATTCGTTTGAAGAAGAGA  
ATGAGGGGGAGGAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG207173 representing NM\_017379  
Red=Cloning site Green=Tags(s)

MRECISVHVGQAGVQIGNACWELFCLEHGIQADGTFGTQASKINDDDSFTTFFSETGNGKHVPRAYMVDL  
 EPTVVDEVRAGTYRQLFHPEQLITGKEDAANNYARGHYTVGKESIDLVLDRIRKLTDCSGLQGFLIFHS  
 FGGGTGSGFTSLLMERLSLDYGGKSKLEFAIYPAPQVSTAVVEPYNSILTTHTTLEHSDCAFMDNEAIY  
 DICRRNLDIERPTYTNLNRLLISQIVSSITASLRFDGALNVDLTFQTNLVPYPRIHFLVITYAPIISA  
 AYHEQLSVAEITSSCFEPNSQMVKCDPRHGKYMCCMLYRGDVVPKDVNVAIAAIKTKRTIQFVDWCPTG  
 FKVGINYQPPTVVPGGDLAKVQRAVCMLSNNTTAAIAEAWARLDHKFDLMYAKRAFVHVYVGEEMEEGEFSE  
 AREDLAALEKDYEEVGTDSFEEENEGEFF

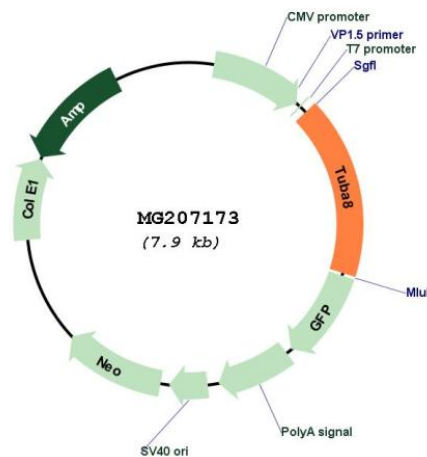
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



ACCN:	NM_017379
ORF Size:	1347 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. <a href="#">More info</a>
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:	<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>
RefSeq:	<a href="#">NM_017379.2</a>
RefSeq Size:	1432 bp
RefSeq ORF:	1350 bp
Locus ID:	53857
UniProt ID:	<a href="#">Q9JJZ2</a>
Cytogenetics:	6 F1
Gene Summary:	This gene encodes a member of the tubulin family of cytoskeletal proteins that form the integral component of microtubules. This gene is preferentially expressed in heart, skeletal muscle and testis. The encoded protein may play a role in liver tumorigenesis in mice. [provided by RefSeq, Sep 2015]