

Product datasheet for **MG217701**

Tubal3 (NM_001033879) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubal3 (NM_001033879) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tubal3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217701 representing NM_001033879 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGAGTGTCTCTCCATTCACATTGGTCAAGCTGGTGTCCAGATCGGGGATGCTTGCTGGAACTGT
ATTGCCTGGAACATGGGATCCAGCCAGATGGCTTTATTCTGGACCATCAACATGATAATTTGGAAAAATCC
TAAAGTGAACATATGAATGCATCTTTAGATACCTTCTTTTCATGAGACAAGAGCTGGGAAGCATGTGCC
AGAACACTTTTCATGGACCTAGAACCAACTGTTATAGATGGGATCCGTGTGGGGAGGTACCACTCACTGT
TCCACCCAGAACAACCTTGTGAATGGAAAGGAGGATGCTGCCAACACCTACGCACGAGTCCGCTACTCTGT
GGTTTCAGAGGTCATCGAGCTTGTCTAGAAAGGATCCGGAAGCTGGCAGAACAATGCAGTGGACTTCAG
GGATTTTGTATTTACCGAAGCTTTGGAGGAGGCACAGGGTCGGGATTTACATCTCTCTTGTGAGCGGAC
TCTCCGTAGAGTATTGCAAGAAGATAAAAATTGGAGTTCTCTGTCTACCCATCTCCTAGGATCTCCACTGC
CGTGGTAGAACCGTACAATGCCATCCTCACCCTCACTCCACCATAGAATACTCAGATTGTGCTTTCATG
GTGGACAATGAGGCTCTGTACGACATCTGCCAGCACAACTTGGCATTGAACGTCCTTCTATGCTAGTA
TCAACAGGCTGATTGCTCAGGTGTCGTCTCCATCACTGCATCACTGCGTTTTGAAGGACCTTTGAATGT
AGACTTAATTGAATTCAGACCAACCTAGTACCTTATCCAAGAATCCATTTCCCATCACAGCTCTTGCC
CCCATCATCTCCGCTGAAAAGGCGTACCAAGAGCAGCTCTCTGTGTCTGACGTCAGTCTCTTGTCTTTG
AGGTCTCCAACCGTGGTCAAGTGTGATCCCAGGCTTGGGAAGTACATGGCTTGCTGCTTACTGTACAG
AGGAGATGTGGTCCCTAAGGATGTAATGAAGCAATTGCAGCCATGAAATCTAGGACCTCTGTTCAGTTT
GTTGATTGGTGTCCAACCTGGTTTCAAGGTGGGCATCAATTATCAGCCACCTGCAAGTACCAGGAGGGG
ATCTAGCTAGGGTTCAGCGTGTGTGTGATGTTGAGCAACACCACAGCAATTGTGGAAGCCTGGGCCCC
CCTGGACCACAAATTTGACCTCATGTATGCCAAGAAGGCATTCTGCACTGGTACATCACAGAAGGCATG
GAGCTTGGGGAGTTTGTAGAGGCCAGGGAAGATCTGGCTGCTCTGGAAAAAGATTATGAAGAAGTGGGTC
TGAGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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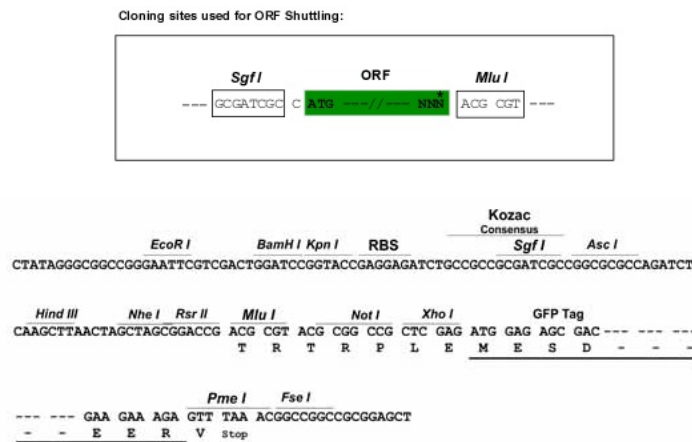
Protein Sequence: >MG217701 representing NM_001033879
 Red=Cloning site Green=Tags(s)

MRECLSIHIGQAGVQIGDACWELYLEHGIQPDGFILDHQHDNLENPKVEHMNASLDTFFHETRAGKHVP
 RTL FMDLEPTVIDGIRVGRYHSLFHPEQLVNGKEDAANTYARGRYSVGSEVIELVLERIRKLAEQCSGLQ
 GFLIYRSFGGGTSGSFTSLLMERLSVEYCKKIKLEFSVYSPRISTAVVEPYNAILTTHTSTIEYSDFM
 VDNEALYDICQHKLGIERPSYASINRLIAQVSSSITASLRFEGPLNVDLIEFQTNLVYPRIHFPIALTA
 PIISAEKAYQEQLSVSDVTASCFEVSQNLVKCDPRLGKYMACCLLYRGDVPKDVNEAIAAMKSRTSVQF
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 ELGEFVEAREDLAALEKDYEEVGLSF

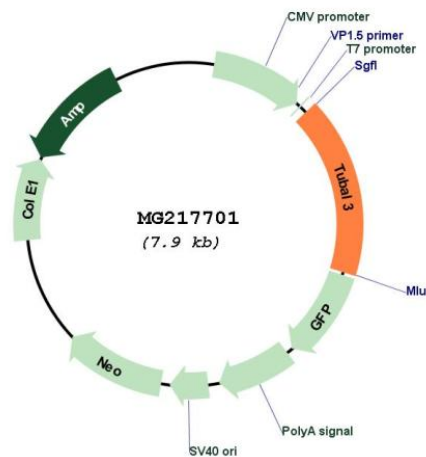
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001033879
ORF Size:	1338 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:	<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_001033879.3 , NP_001029051.2
RefSeq Size:	3122 bp
RefSeq ORF:	1341 bp
Locus ID:	238463
UniProt ID:	Q3UX10
Cytogenetics:	13 A1
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 (By similarity).[UniProtKB/Swiss-Prot Function]