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Product datasheet for MG207207

Tubg1 (NM_134024) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubg1 (NM_134024) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tubg1
Synonyms:	1500010O08Rik; AI451582; AI503389; Tubg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG207207 representing NM_134024
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGAGAGAAATCATCACCCTACAGTTGGGCCAGTGCGGCAATCAGATTGGGTTCGAGTTCTGGAAAC
AGCTATGTGCCGAGCATGGCATCAGTCCCGAGGGCATCGTAGAAGAGTTCGCCACGGAGGGCACTGACCG
AAAGGACGTCTTTTTCTACCAGGCAGATGATGAGCACTACATCCCCCGGGCTGTGCTGCTGGACCTGGAG
CCCCGGGTGATCCATTCCATCCTAAACTCCTCCTATGCTAAGCTCTACAACCCGGAGAACATCTACCTGT
CGGAGCATGGCGGAGGAGCTGGCAACAACTGGGCCAGCGGATTCTCCCAGGGAGAAAAAATCCACGAGGA
CATTTTTGACATCATAGATCGGGAGGCAGATGGCAGTGACAGTCTAGAGGGATTTGTACTGTGTCATTCC
ATTGCTGGGGGGACAGGCTCTGGCTTGGGCTCCTACCTCCTGGAACGGCTAAATGACAGGTACCCCAAAA
AACTAGTGCAGACATACTCTGTGTTCCCCAACCAGGATGAGATGAGTGACGTGGTGGTCCAACCCTACAA
CTCCCTCCTCACACTAAAGAGGCTGACCCAGAACGCGGACTGTGTGGTGGTGCTGGACAACACGGCCCTG
AACCTGATAGCCACAGACCGCCTACACATCCAGAACCCATCCTTCTCCCAGATCAACCAGCTGGTGTCCA
CCATCATGTCAGCCAGCACCACCACCCTGCGCTACCCTGGATACATGAACAATGACCTCATCGGCCTCAT
CGCCTCGCTCATTCCCACCCCTCGGCTCCACTTCCTCATGACTGGCTACACCCCCCTCACCACGGACCAG
TCAGTGGCCAGTGTGAGGAAGACAACAGTCCTGGATGTCATGAGGCGCCTGCTACAGCCCAAGAATGTGA
TGGTGTCCACAGGCCGGGATCGTCAGACCAACCACTGCTACATCGCCATTCTCAACATCATCCAGGGAGA
GGTGGACCCCACCCAGGTCCACAAGAGCCTGCAGAGGATCCGGGAAAGGAAACTGGCCAACTTCATCCCC
TGGGGCCCAGCCAGCATCCAGGTGGCCCTGTCAAGGAAGTCTCCCTACCTGCCCTCAGCCCACCGGGTCA
GCGGGCTCATGATGGCCAACCACACCAGTATCTCCTCGCTCTTCGAACGGACCTGTCGCCAGTTTGACAA
GCTGCGGAAACGGGAGGCCTTCATGGAACAGTTCCGCAAGGAGGACATCTTCAAGGACAATTTTGACGAG
ATGGACACCTCCAGGGAGATTGTGCAGCAGCTGATTGACGAGTACCACGCGGCCACACGGCCAGACTACA
TCTCCTGGGGCACCCAGGAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

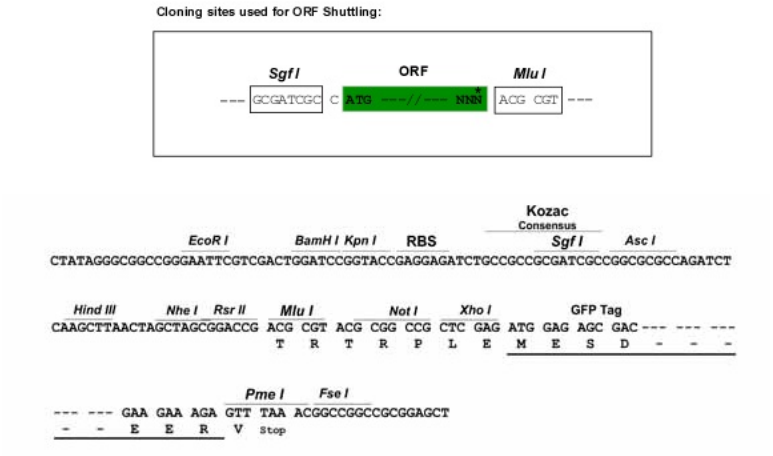
>MG207207 representing NM_134024
Red=Cloning site Green=Tags(s)

MPREIITLQLGQCGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTDRKDVFFYQADDEHYIPRAVLLDLE
PRVIHSILNSSYAKLYNPENIYLSEHGGGAGNNWASGFSQGEKIHEDIFDIIDREADGSDSLEGFVLCHS
IAGGTGSGLGSYLLERLNDRYPKKLVQTYSVFPNQDEMSDVVVQPYNSLLTLKRLTQNADCVVVLDNTAL
NLIATDRLHIQNPSFSQINQLVSTIMSASTTTLRYPGYMNNDLIGLIASLIPTPRLHFLMTGYTPLTTDQ
SVASVRKTTVLDVMRRLLQPKNVMVSTGRDRQTNHCYIAILNIIQGEVDPTQVHKSLQRIRERKLANFIP
WGPASIQVALSRKSPYLPSAHRVSGLMMANHTSISSLFERTCRQFDKLRKREAFMEQFRKEDIFKDNFDE
MDTSREIVQQLIDEYHAATRPDYISWGTQEQ

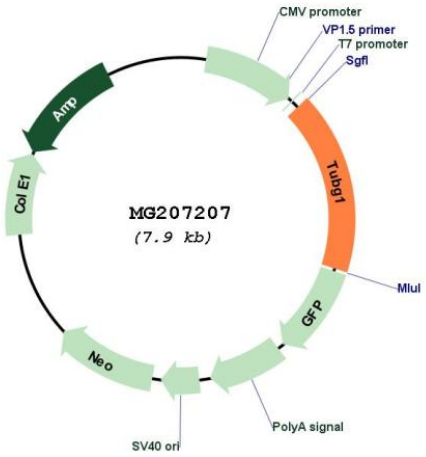
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_134024

ORF Size: 1353 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_134024.1
RefSeq Size:	1609 bp
RefSeq ORF:	1356 bp
Locus ID:	103733
UniProt ID:	P83887
Cytogenetics:	11 64.24 cM
Gene Summary:	Tubulin is the major constituent of microtubules. The gamma chain is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome. Pericentriolar matrix component that regulates alpha/beta chain minus-end nucleation, centrosome duplication and spindle formation (By similarity).[UniProtKB/Swiss-Prot Function]