

Product datasheet for **MG211317**

Trim37 (NM_197987) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim37 (NM_197987) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim37
Synonyms:	1110032A10Rik; 2810004E07Rik; A1848587; AU043018; MU; MUL; TEF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211317 representing NM_197987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGAGCAGAGTGTGGAGAGCATTGCTGAGGTTTTCCGATGTTTCATTTGTATGGAGAAATTCGGG
 ATGCTCGACTGTGCTCATTGCTCCAAGCTCTGTTGTTTCAGCTGTATTAGGCGCTGGCTGACAGAGCA
 AAGAGCTCAGTGTCTCACTGCTGCTCCACTCCAGCTACGGAACTGGTGAACGTGCTGTTGGCGGAA
 GAAGTGACACAGCAGCTTGACACTCTCCAGCTGTGTAGTCTACCAAACATGAAGAAAATGAGAAAGACA
 AATGTGAAAATCACCATGAAAAACTTAGTGTGTTTTGCTGGACTTGAAGAAGTGTATCTGCCATCAGTG
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 ACTAAAGTGAATGAAGAGGTAGCCAACTTCGTGACGCTCTCATGGAGCTGATCAGCTTAGTTCAAGAAG
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 CTTACTCAAGAAACGGAGCTGTTGGAATCTTACTTCAGGAGGTAGAACATCAGTTGCGGCTTTCAGTA
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 ATCCTTTGTACCACACCTGTCCACCAGACTTTACCAGTGAATGGTACCATCCTATGATTCAGCTACT
 TTTGTTTTAGAGAACTTCAGCACTTTGCGGCAGAGAGCAGATCCTGTTTACAGTCCGCTCTTCAAGTTT
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 TCTGTACGAGAGACCAAGGAAGATGAAGATGAGGAGGAGAAGATTCAGAAATGAAGACTATCATCATGAGC
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 ACCTGAAGGAGCCTCAGCCGCCCTGAGGAAGGAATGAGTAGTACAGCGACATTGAATGTGACTGAG
 AACGAGGAGCAGGAAGAACACCAGCATGGGCGGTTCAACGATCCGTTCTGGCTCAGCCCCCGATG
 AAGATTCACATTCAGTTTTCTGATGGTGAACAAATAGACCCTGAAAATCTCCACTTCAACCTGATGA
 AGGAGGTGGAAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211317 representing NM_197987
 Red=Cloning site Green=Tags(s)

MDEQSVESIAEVFRFCICMEKLRDARLCPHCSKLCFCSCIRRWL TEQRAQCPCRCRAPLQLREL VNCRWAE
 EVTQQLDTLQLCSLTKHEENEKDKCENHHEKLSVFCWTCKKCICHQCALWGMHGGHTFKPLAEIYEQHV
 TKVNEEVAKLRRRLMELISLVQEVERNVEAVRNAKDERVREIRNAVEMMIARLDTQLKNKLITLMGQKTS
 LTQETELLESLLQEVEHQLRSCSKSELISKSEILMMFQQVHRKPMASFVTTTPVPPDFTSELVPSYDSAT
 FVLENFSTLRQRADPVYSPPLQVSGLCWRLKVYPDGNVVRGYLSVFLELSAGLPETSKYEYRVMVHQ
 SCNDPTKNIIREFASDFEVGECWGYNRFFRLDLLANEGYLNQNDTVILRFQVRSPTFFQKCRDQHWYIT
 QLEAAQTGYIQQINNLKERLTIELSRTQKSRDLSPPDNHLSQNDSPETRTRKKAGSCSDMLLEGGPTCA
 SVRETKEDEDEEEKIQNEDYHHELSDGDLDDL VGEDEVNHLDGSSSSASSTATSNTTEENDIDEETMSGE
 NDVEYNMEL EEGELMEDAAAAGPPGSSHSYV GASSRMSRRTLCSAATSSLLDIDPLIL IHLDDLKDRS
 SMENLWGLQPRPSASLLQPTASYSRKDKDQRKQAMWRVPSDLKMLKRLKTQMAEVRCKMTDVKTTLSDI
 KGSSVASTDMQTNLFCADQAALTTCPENSGRLQDLGMELLAKSSVAGCYIRNPTNKKNSPKSARAIAGS
 LSLRRAVDSGENSRSKGDCQVLAEGSSGSSQSGSRHSSPRALTHGIIIGDLLPKSEDRQCKALDSDAVVVA
 VFNGLPVTEKRRKMVTLGTNAKGRLEGMQADLESHSEAGEVQPTLPEGASAAPEEGMSSSDSDIECDTE
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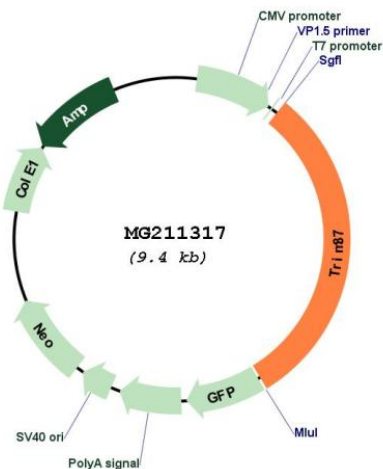
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_197987

ORF Size: 2883 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_197987.1](#), [NP_932104.1](#)

RefSeq Size: 5649 bp

RefSeq ORF: 2886 bp

Locus ID: 68729

UniProt ID: [Q6PCX9](#)

Cytogenetics: 11 C

Gene Summary: The protein encoded by this gene is part of the tripartite-motif containing family (TRIM), which is typified by the RING, B-box type 1, B-box type 2, and coiled-coil region domains. In mouse this protein is proposed to oligomerize through its coiled coil domain and has been reported to be expressed in neural crest-derived tissues as well as in tissues whose development is regulated by mesenchymal-epithelial interactions. In humans, mutations in this gene are associated with mulibrey (muscle-liver-brain-eye) nanism, an autosomal recessive disorder characterized by prenatal onset growth failure, cardiomyopathy and dysmorphic features. [provided by RefSeq, Jan 2013]