

Product datasheet for **MR211317**

Trim37 (NM_197987) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim37 (NM_197987) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim37
Synonyms:	1110032A10Rik; 2810004E07Rik; A1848587; AU043018; MU; MUL; TEF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211317 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGAGCAGAGTGTGGAGAGCATTGCTGAGGTTTTCCGATGTTTCATTTGTATGGAGAAATTCGGG
 ATGCTCGACTGTGCTCATTGCTCCAAGCTCTGTTGTTTCAGCTGTATTAGGCGCTGGCTGACAGAGCA
 AAGAGCTCAGTGTCTCACTGTCGTGCTCCACTCCAGCTACGGAACTGGTGAACGTGCTGTTGGCGGAA
 GAAGTGACACAGCAGCTTGACACTCTCCAGCTGTGTAGTCTACCAAACATGAAGAAAATGAGAAAGACA
 AATGTGAAAATCACCATGAAAAACTTAGTGTGTTTTGCTGGACTTGAAGAAGTGTATCTGCCATCAGTG
 TGCACCTTTGGGGAGGAATGCATGGTGGACACACGTTTAAACCTTTGCGAGAAAATTTATGAACAACATGTC
 ACTAAAGTGAATGAAGAGGTAGCCAACTTCGTCGACGTCTCATGGAGCTGATCAGCTTAGTTCAAGAAG
 TGGAAAGAAAATGTAGAAGCTGTAAAGAAATGCAAAGGACGAGCGTTCGGGAAAATTAGGAATGCGGTAGA
 GATGATGATTGCACGACTAGATACACAGCTGAAGAATAAGCTCATAACTCTCATGGGTGAGAAGACATCT
 CTTACTCAAGAAACGGAGCTGTTGGAATCTTACTTCAGGAGGTAGAACATCAGTTGCGGCTTTCAGTA
 AGAGCGAGCTGATCTCCAAGAGCTCAGAGATCCTAATGATGTTCCAGCAAGTTCACCGAAAAGCCCATGGC
 ATCCTTTGTACCCACACCTGTCCACCAGACTTTACCAGTGAATGGTACCATCCTATGATTCAGCTACT
 TTTGTTTTAGAGAACTTCAGCACTTTGCGGCAGAGAGCAGATCCTGTTTACAGTCCGCTCTTCAAGTTT
 CAGGACTTTGTTGGAGGTTAAAAGTTTACCAGATGAAAATGGAGTTGTACGTGGCTATTATTTATCTGT
 ATTTTTGGAACATACGGCTGGCTTGCTGAAACTTCCAAGTATGAATATCGTGTAGAAAATGGTTCACCAG
 TCGTGAATGATCCTACAAAAAATCATTTCGAGAATTTGCATCTGACTTTGAAGTTGGAGAGTCTGGG
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 GATTTTAAAGTTTTAGGTGCGCTCACCAACATTTTTTCAAAAATGCCGGGATCAGCACTGGTATATTACT
 CAGTTGGAAGCTGCACAGACTGGTTATATCCAACAAAATAAACAATCTTAAAGAGAGACTGACTATTGAGC
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 TCCTGAGACACGAACTAAGAAAGCTGGGTGATGCTCTGACATGCTTCTGGAAGGCGGTCTACTTGCCT
 TCTGTACGAGAGACCAAGGAAGATGAAGATGAGGAGGAGAAGATTGAGAATGAAGACTATCATCATGAGC
 TCTCGGATGGAGATCTGGACCTGGATCTGTTGGAGAAGATGAAGTGAATCACCTTGATGGCAGCAGCTC
 TTCTGCTAGTTCTACAGCAACAAGCAACACAGAAGAAAACGATATTGATGAGGAGACCATGTCTGGGAA
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 CTCAGGTAGTAGCCACAGCTATGTGGGTGCCAGTAGCAGAATGTCAAGAAGAACACATTTATGCTCTGC
 AGCTACCAGTAGCTTACTAGACATTGATCCTTTAATCTTAATACATTTATTGGATCTTAAAGACCGGAGC
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 CTGTCACTCCGAAGAGCTGTGGACTCTGGAGAAAATAGCCGTTTCAAGGGAGACTGTGAGTTCTTGCTG
 AAGGCTCCTCGGGAAGCTCTCAGTCTGGGAGCAGACACAGCTCCCCCGGGCTCTGACACACGGCATCAT
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 GTTTTCAATGGTTTACCTACTGTTGAGAAGAGAAGGAAAATGGTACCTTGGGGACTAATGCAAAAAGGAG
 GTCGTCTGGAAGGAATGCAGATGGCAGATTTGGAAAGTCACTTGAAGCTGGGGAGGTACAGCCCACT
 ACCTGAAGGAGCCTCAGCCGCCCTGAGGAAGGAATGAGTAGTACAGCGACATTGAATGTGACTGAG
 AACGAGGAGCAGGAAGAACACCAGCATGGGCGGTTCAACGATCCGTTCTGGCTCAGCCCCCGATG
 AAGATTCACATTCAGTTTTCTGATGGTGAACAAATAGACCCTGAAAATCTCCACTTCAACCCTGATGA
 AGGAGGTGGAAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211317 protein sequence
 Red=Cloning site Green=Tags(s)

MDEQSVESIAEVFRFCICMEKLRDARLCPHC SKLCCFSCIRRWL TEQRAQCPCRAPLQLREL VNCRWAE
 EVTQQLDTLQLCSLTKHEENEKDKCENHHEKLSVFCWTCKKCIHQCALWGGMHGGHTFKPLAEIYEQHV
 TKVNEEVAKLRRRLMELISLVQEVERNVEAVRNAKDERVREIRNAVEMMIARLDTQLKNKLITLMGQKTS
 LTQETELLESLLQEVEHQLRSCSKSELISKSS EILMMFQQVHRKPMASFVTTVPVPPDFTSELVPSYDSAT
 FVLENFSTLRQRADPVYSPPLQVSGLCWRLKVYPDGNVVRGYLSVFLELSAGLPETSKYEYRVMVHQ
 SCNDPTKNI IREFASDFEVGECWGYNRFRLDLLANEGYLN RQNDTVILRFQVRSPTFFQKCRDQHWYIT
 QLEAAQTGYIQQINNLKERLTIELSR TQKSRDLSPDNHLS PQNDSPETRTRKKAGSCSDMLLEGGPTCA
 SVRETKEDEDEEEKIQNEDYHHELSDGDLDL DLVGEDEVNHLDGSSSSASSTATS NTEENDIDEETMSGE
 NDVEYNSMEEELMEDAAAAGPPGSSSHSYVGASSRMSRRTLCSAATSSLLDIDPLIL IHLDLKDRS
 SMENLWGLQPRPSASLLQPTASYSRKDKDQRKQ QAMWRVPSDLKMLKRLKTQMAEVRCKM TDVKTLSDI
 KGSSVASTDMQTNLFCADQAALTT CGPENSGRLQDLGMELLAKSSVAGCYIRNPTNKKNSPKSARA IAGS
 LSLRRAVDSGENSRSKGDCQVLAEGSSGSSQSGSRHSSPRAL THGIIGDLLPKSEDRQCKALDSDAVVVA
 VFNGLPVTEKRRKMVTLGTNAKGGRL EGMQADLESHSEAGEVQPTLPEGASAAPEEGMSSDSDIECDTE
 NEEQEEHTSMGAFNDPFLAQPPDEDSHSSFPDGEQIDPENLHFNPDEGGGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

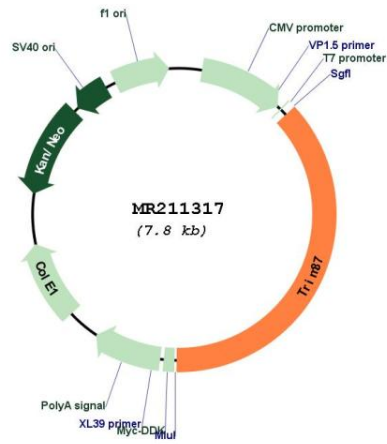


ACCN: NM_197987

ORF Size: 2886 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_197987.1 , NM_197987.2 , NP_932104.1
RefSeq Size:	5637 bp
RefSeq ORF:	2886 bp
Locus ID:	68729
UniProt ID:	Q6PCX9
Cytogenetics:	11 C
MW:	107.7 kDa
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]

Product images:



Circular map for MR211317