

Product datasheet for **MG211536**

Trim24 (NM_145076) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim24 (NM_145076) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim24
Synonyms:	A130082H20Rik; AI447469; D430004I05Rik; Tif; TIF1; TIF1-alpha; Tif1a; TIF1alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211536 representing NM_145076 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTGGCTGTGGAGAAGGCGGGCGGCAGCGGCTCCGGCCGAGGCCCCGCAGCGGGCGGCCGA
GCGGGGAGAATGAGGCCGAGAGCCGGCAGGGCCCCGACTCGGAGAGCGGGCGGAGGCGTCCCGGCTCAA
CCTGTTGGACACTTGCCTGTGCCACCAGAATCCAGAGCCGGTGCCCAAGCTGCTGCCCTGCCTG
CACTCGTCTGCCAGCGCTGTTGCCCGCGCCGACGCGTATCTCATGCTGACGGCGCCCGCTGGCT
CGGCAGAGACCCCTCACCCGCTCCCGCCCCGCCCCCGGGCTCCCGGGCGGTGGTCTTCGCC
ATTCGCCACCCAAGTTGGAGTCATTGATGCCAGTTTGCAGTCAAGAGTGTGCTGAGAGACACATCATA
GACAACTTTTTTGTAAGGACACCACTGAAGTTCTAGTAGTACAGTAGAAAAGTCTAATCAGGTATGTA
CAAGCTGTGAAGACAATGCAGAAGCTAATGGGTTTTGTGTAGAGTGTGTTGAATGGCTCTGCAAGACATG
TATTAGAGCTCACCAGAGGGTGAAGTTCACAAAAGACCACACAGTCAGGCAGAAAGAAGAAGTATCTCCA
GAGGCAGTTGGGGTGACCAGTCAGCGACCAGTGTTCCTCCATAAAAAGGAGCAGTTGAACTTT
ACTGTGAAACATGTGATAAACTGACCTGTCGAGACTGCCAGCTGCTAGAACACAAAGAACACAGGTATCA
ATTTATAGAAGAAGCTTTTCAGAATCAAAAAGTGATCATAACTCTAATCACCAACTGATGGAAAA
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CCTTGCTGTACAGCAAGCGGCTGATTACATACAGGTTACGGCACCTTCTTCGTGCAAGGTGTGATGCTTC
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GTTACGACTCCAGCATATTCAGCAACAGGTAATGGCTCAGAGGCAACAGGTGCAACGGAGGCCAGCACCT



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GTGGGTTTACAAACCCTAGAATGCAGGGGCCATCCAGCAGCCTTCCATCTCTCATCAGCATCCGCCAC
CACGCTTAATAAACTTTTCAAGATCACAGCCCTAAGCCCAATGGACCAGTTCCTCCTTATCCTCAGCA
GCTGAGATATTCACCAAGCCAGAATGTACCTCGGCAGACAACAATAAAGCCCAACCCCTTGCAAATGGCT
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GAGAATGGATCTGTACTTCTGCGGAGACTTATCTAAGCCAGAGGTTGACTATGATTGTGATGTTCCAG
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CGCCTACTTCTGTTTCTTACTGCCATGAAATGAGCCTGGCTTCCAAAGACCCTGTTCTCTAACTGTGC
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AATGAGCCTGATTCTGAAGTAGCCAATGCTGGTATAAACTTGAAGCTATTTTGAAGAACTTCTAAAGA
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CGACTCAGACGATGACTTTGTACAGCCCCGGAAGAAGCGTCTCAAGAGCACCAGGATCGCCAGCTGCTT
AAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211536 representing NM_145076

Red=Cloning site Green=Tags(s)

MEVAVEKAAAAAAPAGGPAAPSGENEAESRQGPDESSEGGASRLNLLDTCVCHQNIQSRVPKLLPCL
HSFCQRCLPAPQRYLMLTAPALGSAETPPPAPAPAPAGSPAGGPPFATQVGVIRCPVCSQECAERHII
DNFFVKDTTEVPSSTVEKSNQVCTSCEDNAEANGFCVECEVWLCCTCIRAHQRVKFTKDHTVVRQKEEVSP
EAVGVTSQRPFVFCPFHKKQLKLYCETCDKLTCRDCQLLEHKEHRYQFIEEAFQNKQVIIDTLITKLMEK
TKYIKYTNQIQNRIEINQNKQVEQDIKVAIFTLMEINKKGGKALLHQLESLAKDHRMQLMQQQEVA
GLSKQLEHVMHFVSKWAVSSGSSTALLYSKRLITYRLRHLLRARCDASPVNTTIIQFHCDPSFWAQNIINL
GSLVIEDKESQPQMPKQNPVVEQSSQPPGGLPSNQLSKFPTQISLAQLRLQHIQQVMAQRQVQRRPAP
VGLPNPRMQGPIQQPSISHQHPPRLINFQNHSPKPNGPVLPPYPQQLRYSQSNVPRQTTIKPNPLQMA
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SSTIMLDNIARKDTGVDHAQPRPPSNRTVQSPNSSVPSPLAGPVTMTSVHPPIRSPSASSVGSRGSSGS
SSKAPAGADSTHKVPVVMLEPIRIKQENSPPENYDFPVVIVKQESDEESRPQNTNYPRSIILSLLNSSQ
SSASEETVLRSDAPDSTGDQPLHQENSNGKSEWSDASQKSPVHVGETRVEDDPNEDWCAVCQNGGELL
CCEKCPKVFHLTCHVPTLTNFPSEWICTFCRDLKPEVDYDCDVPSSHSEKRSKSEGLTKLTPIDKRKCE
RLLLFLYCHEMSLAFQDPVPLTVPDYKIKNPMDLSTIKKRLQEDYCMYTKPEDFVADFRLIFQNAEF
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K

TRTRPLE - GFP Tag - V

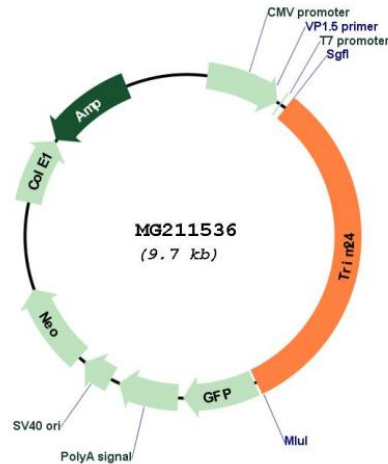
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145076

ORF Size: 6188 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:	<u>NM_145076.4</u> , <u>NP_659542.3</u>
RefSeq Size:	4053 bp
RefSeq ORF:	3156 bp
Locus ID:	21848
UniProt ID:	<u>Q64127</u>
Cytogenetics:	6 B1
Gene Summary:	The protein encoded by this gene is part of the tripartite-motif containing family (TRIM), which are typified by the RING, B-box type 1, B-box type 2, and coiled-coil region domains. This protein, which also contains a PHD/TTC finger and bromodomain important for regulating nuclear receptors and binding chromatin, has important roles in differentiation, development, and tissue homeostasis. This protein has been reported to regulate the activity of the tumor suppressor p53 and of the retinoic acid receptor. A translocation event between this gene and Braf transforming gene, which results in the fusion protein T18, has been reported in hepatocellular carcinomas. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]