

Product datasheet for MR211536

Trim24 (NM_145076) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim24 (NM_145076) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim24
Synonyms:	A130082H20Rik; AI447469; D430004I05Rik; Tif; TIF1; TIF1-alpha; Tif1a; TIF1alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211536 representing NM_145076 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTGGCTGTGGAGAAGGCGGGCGGCAGCGGCTCCGGCCGGAGGCCCGCAGCGGGCGGCCGA
GCGGGGAGAATGAGGCCGAGAGCCGGCAGGGCCCGGACTCGGAGAGCGGGCGGAGGCGTCCCGGCTCAA
CCTGTTGGACACTTGCCTGTGCCACCAGAATCCAGAGCCGGTGCCCAAGCTGCTGCCCTGCCTG
CACTCGTCTGCCAGCGCTGTTGCCCGCGCCGAGCGCTATCTCATGCTGACGGCGCCCGCTGGCT
CGGCAGAGACCCCTCACCCGCTCCCGCCCCGCCCCCGGGCTCCCGGGCGGTGGTCTTCGCC
ATTCGCCACCAAGTTGGAGTCATTGATGCCAGTTTGCAGTCAAGAGTGTGCTGAGAGACACATCATA
GACAACTTTTTTGTAAGGACACCACTGAAGTTCTAGTAGTACAGTAGAAAAGTCTAATCAGGTATGTA
CAAGCTGTGAAGACAATGCAGAAGCTAATGGGTTTTGTGTAGAGTGTGTTGAATGGCTCTGCAAGACATG
TATTAGAGCTCACCAGAGGGTGAAGTTCACAAAAGACCACACAGTCAGGCAGAAAGAAGAAGTATCTCCA
GAGGCAGTTGGGGTGACCAGTCAGCGACCAGTGTGTTTGTCCCTTCCATAAAAAGGAGCAGTTGAACTTT
ACTGTGAAACATGTGATAAACTGACCTGTCGAGACTGCCAGCTGCTAGAACACAAAGAACACAGGTATCA
ATTTATAGAAGAAGCTTTTCAGAATCAAAAAGTGATCATAAGATACTCTAATCACCAACTGATGGAAAA
ACAAAATATAAAGTATACAGGAAATCAGATCCAAAATAGGATAATTGAAATAAATCAAAACAAAAGC
AGGTGGAACAGGATATTAAGTTGCCATCTTCACATTGATGGTGGAGATAAACAAAAAAGGGAAAGCTCT
GCTGCACCAGCTTGAGAGTCTTGCAAGGACCATCGAATGAAACTCATGCAACAACAGCAGGAAAGTGGCT
GGGCTTTCTAAGCAGTTAGAGCAGTCATGCATTTTTCTAAATGGGCTGTTTCCAGTGGCAGCAGCACAG
CCTTGCTGTACAGCAAGCGGCTGATTACATACAGGTTACGGCACCTTCTTCGTGCAAGGTGTGATGCTTC
TCCTGTGACCAACACCACCATCCAGTTTCACTGTGATCCTAGTTTCTGGGCTCAAATATTATCAACTG
GGTTCTTTAGTAATCGAGGATAAAGAGAGCCAGCCACAAATGCCTAAGCAGAATCCTGTCGTGGAGCAGA
GTTACAGCCACCAGGTGGTTTACCTTCAACCAGTTATCCAAGTCCCAACACAGATCAGCCTAGCTCA
GTTACGACTCCAGCATATTCAGCAACAGGTAATGGCTCAGAGGCAACAGGTGCAACGGAGGCCAGCACCT



[View online »](#)

GTGGGTTTACAAACCCTAGAATGCAGGGGCCATCCAGCAGCCTTCCATCTCTCATCAGCATCCGCCAC
CACGCTTAATAAACTTTTCAAGATCACAGCCCTAAGCCCAATGGACCAGTTCCTCCTTATCCTCAGCA
GCTGAGATATTCACCAAGCCAGAATGTACCTCGGCAGACAACAATAAAGCCCAACCCCTTGCAAATGGCT
TTTTTGGCTCAACAGGCCATAAAACAGTGGCAGATCAGCAGTGTACAGGCTCCGCCACAACCTGCCAGCA
GCTCCTCCTCCACGCCGTCCAGCCCCACAATCACAAGTGCAGCTGGGTACGATGGAAAAGCTTTTAGTTC
ACCCATGATTGATCTGAGTGCACCGTGGGAGGGTCTTACAATCTCCTTCTCTCCAGATATTGATTGT
TCAAGTACTATAATGTTGGACAACATTGCAAGGAAAGACACAGGTGTAGATCACGCCACCGGAGGCCTC
CGTCAAACAGAACGGTGCAGTCAACAAATTCATCAGTGCCATCTCCAGGCCTTGACGGCCTGTTACTAT
GACTAGCGTCCATCCCCAATACGTTCCACTAGTGCTCCAGTGTGGAAGTCGAGGAAGCTCTGGCTCT
TCCAGCAAACCAGCAGGAGCTGATTCTACTCACAAGGTCCAGTAGTCATGCTGGAGCCAATTCGAATAA
AACAGGAAAACAGTGGACCACCTGAAAATTATGATTTTCTGTTTATAGTAAAACAAGAATCAGATGA
AGAATCTAGACCTCAAAATACTAATCACAAGAAGCATACTTACCTCCCTCCTTAAACAGCAGTCAG
AGCTCTGCTTCTGAGGAAACCGTGTACGATCTGATGCCCTGATAGTACAGGAGATCAGCCTGGACTCC
ATCAAGAAAATTCCTCAAATGAAAAGTCTGAGTGGTGGATGCCCTCCAGAAGTCCCTGTGCATGTCGG
AGAGACGAGGAAGGAGGATGACCCAATGAAGACTGGTGTGCTGTTTGTCAAATGGTGGGAACTCCTA
TGCTGTGAGAAAATGTCCTAAAGTATTCCATCTTACTTGTATGTGCCACCTTGACAAAATTTTCAAAGT
GAGAATGGATCTGTACTTTCTGCCGAGACTTATCTAAGCCAGAGGTTGACTATGATTGTGATGTTCCAG
TCACCACTCAGAGAAACGGAAAAGTGAAGGCCTTACTAAGTTAACGCCAATAGACAAAAGGAAAATGTGAA
CGCCTACTTCTGTTTCTTACTGCCATGAAATGAGCCTGGCTTTCGAAGACCCTGTTCTCTAACTGTGC
CTGATTATTATAAAAATAATTAACCCCAATGGACTTGTCAACCATCAAGAAAAGACTTCAGGAGGATTA
TTGCATGTATACAAAGCCTGAAGACTTTGTAGCTGATTTTAGATTGATCTTCAAACCTGTGCTGAATTC
AATGAGCCTGATTCTGAAGTAGCCAATGCTGGTATAAACTTGAAGCTATTTTGAAGAACTTCTAAGA
ATCTTTATCCAGAAAAAGGTTTCTAAGGTAGAATTCAGGCATGAAGCAGAAGACTGTAAGTTCACTGA
CGACTCAGACGATGACTTTGTACAGCCCCGGAAGAAGCGTCTCAAGAGCACCGAGGATCGCCAGCTGCT
AAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211536 representing NM_145076

Red=Cloning site Green=Tags(s)

MEVAVEKAAAAAAPAGGPAAPSGENEAESRQGPDESSEGGASRLNLLDTCVAVCHQNIQSRVPKLLPCL
HSFCQRCLPAPQRYLMLTAPALGSAETPPPAPAPAPAGSPAGGPPFATQVGVIRCPVCSQECAERHII
DNFFVKDTTEVPSSTVEKSNQVCTSCEDNAEANGFCVECEVWLCKTCIRAHQRVKFKDHTVRQKEEVSP
EAVGVTSQRPFVFCPFHKKQLKLYCETCDKLTCDRCQLEHKEHRYQFIEEAFQNKQVIIDTLITKLMK
TKYIKYTGNIQNRITIEINQNKQVEQDIKVAIFTLMEINKKGGKALLHQLESLAKDHRMKLMQQQVEVA
GLSKQLEHVMHFVSKWAVSSGSSTALLYSKRLITYRLRHLLRARCDASPVNTTIQFHCDPSFWAQNIINL
GSLVIEDKESQPQMPKQNPVVEQSSQPPGGLPSNQLSKFPTQISLAQLRLQHIQQVMAQRQVQRRPAP
VGLPNPRMQGPIQQPSISHQHPPRLINFQNHSPKPNGPVLPPYPQLRYSPSQNVPRQTTIKPNPLQMA
FLAQQAIAKQWQISSVQAPPTTASSSSSTPSSPTITSAAGYDGKAFSSPMIDLAPVGGSYNLPSPDIDC
SSTIMLDNIARKDTGVDHAQPRPPSNRTVQSPNSVSPGLAGPVTMTSVHPPIRSPSASSVGSRGSSGS
SSKPAGADSTHKVPVVMLEPIRIKQENSQPPENYDFPVVIVKQESDEESRPQNTNYPRISLTSLLNSSQ
SSASEETVLRSDAPDSTGDQPLHQENSNGKSEWSDASQKSPVHVGETRKEDDPNEDWCAVCQNGGELL
CCEKCPKVFLHCHVPTLTNFPSEWICTFCRDLKSKPEVDYDCDVPSHHSEKRKSEGLTKLTPIDKRKCE
RLLLFLYCHEMSLAFQDPVPLTVPDYKIKINPMDLSTIKKRLQEDYCMYTKPEDFVADFRLIFQNCAEF
NEPDSSEVANAGIKLESYFEELLKNLYPEKRFKVEFRHEAEDCKFSDDSDDFVQPRKRLKSTEDRQLL
K

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9009_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145076

ORF Size: 3153 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_145076.4](#), [NP_659542.3](#)

RefSeq Size: 6191 bp

RefSeq ORF: 3156 bp

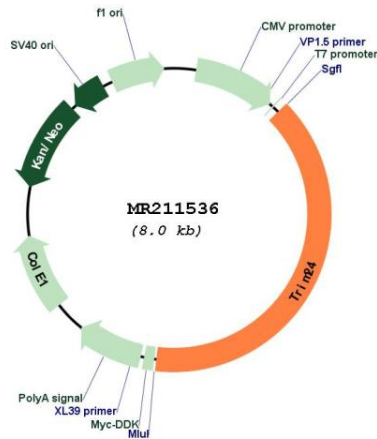
Locus ID: 21848

UniProt ID: [Q64127](#)

Cytogenetics: 6 B1
MW: 117.1 kDa

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]

Product images:



Circular map for MR211536