

Product datasheet for **MR231458**

Trim24 (NM_001272076) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim24 (NM_001272076) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim24
Synonyms:	A130082H20Rik; AI447469; D430004I05Rik; Tif; TIF1; TIF1-alpha; Tif1a; TIF1alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231458 representing NM_001272076 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGATATTTTTGATTACACTTTTATCGGTGGGTGTGGAGATGCTTGTCCCACATGCGCATGTGGAA
GTCAGAGGATAACTTGGAAAAGTCAGTTCTTTCCATCCTGTGTTTCGTCCCATGGATAAACTGCTGTCAC
TGTTGATGAGCAAGTTGGAGTCATTCGATGCCAGTTTGCAGTCAAGAGTGTGCTGAGAGACACATCATA
GACAACTTTTTGTGAAGGACACCACTGAAGTTCTAGTACAGTAGAAAAGTCTAATCAGGTATGTA
CAAGCTGTGAAGACAATGCAGAAGCTAATGGGTTTTGTGTAGAGTGTGTTGAATGGCTCTCAAGACATG
TATTAGAGCTCACCAGAGGGTGAAGTTCACAAAAGACCACACAGTCAGGCAGAAAAGAAGAAGTATCTCCA
GAGGCAGTTGGGGTGACCACTCAGCGACCAAGTGTTCCTCCATAAAAAGGAGCAGTTGAACTTT
ACTGTGAAACATGTGATAAACTGACCTGTCGAGACTGCCAGCTGCTAGAACAACAAAGAACACAGGTATCA
ATTTATAGAAGAAGCTTTTCAGAATCAAAAAGTGATCATAGATACTCTAATCACCAAACTGATGGAAAA
ACAAAATATAAAGTATACAGGAAATCAGATCCAAAATAGGATAATTGAAATAAATCAAAACAAAAGC
AGGTGGAACAGGATATTAAGTTGCCATCTTCACATTGATGGTGGAGATAAACAACAAAAGGAAAGCTCT
GCTGCACCAGCTTGAGAGTCTTGCAAAGGACCATCGAATGAAACTCATGCAACAACAGCAGGAAGTGGCT
GGGCTTTCTAAGCAGTTAGAGCACGTCATGCAATTTTCTAAATGGGCTGTTTCCAGTGGCAGCAGCACAG
CCTTGCTGTACAGCAAGCGGCTGATTACATACAGGTTACGGCACCTTCTTCGTGCAAGGTGTGATGCTTC
TCCTGTGACCAACACCACCATCCAGTTTCACTGTGATCCTAGTTTCTGGGCTCAAAATATTATCAACTTG
GGTTCTTTAGTAATCGAGGATAAAGAGAGCCAGCCACAAATGCCTAAGCAGAATCCTGTCGTGGAGCAGA
GTTACAGCCACCAGGTGGTTTACCTTCCAACAGTTATCCAAGTTCCAACACAGATCAGCCTAGCTCA
GTTACGACTCCAGCATATTCAGCAACAGGTAATGGCTCAGAGGCAACAGGTGCAACGGAGGCCAGCACCT
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TTTTTGGCTCAACAGGCCATAAAACAGTGGCAGATCAGCAGTGTACAGGCTCCGCCACAACCTGCCAGCA



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GCTCCTCCTCCACGCCGTCCAGCCCCACAATCACAAGTGCAGCTGGGTACGATGGAAAAGCTTTTAGTTC
 ACCCATGATTGATCTGAGTGCACCGGTGGGAGGGTCTTACAATCTTCTTCTTCCAGATATTGATTGT
 TCAAGTACTATAATGTTGGACAACATTGCAAGGAAAGACACAGGTGTAGATCACGCCCCAGCCGAGGCCTC
 CGTCAAACAGAACGGTGCAGTACCAAATTCATCAGTGCCATCTCCAGGCCTTGCAGGGCCTGTTACTAT
 GACTAGCGTCCATCCCCAATACGTTACCTAGTGCCTCCAGTGTGGAAGTCGAGGAAGCTCTGGCTCT
 TCCAGCAAACCAGCAGGAGCTGATTCTACTACAAGGTCCCAGTAGTCATGCTGGAGCCAATTCGAATAA
 AACAGGAAAACAGTGGACCACCTGAAAAATTAGATTTTCTGTTTATAGTAAAAACAAGAATCAGATGA
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 GAGAATGGATCTGTACTTCTGCCGAGACTTATCTAAGCCAGAGGTTGACTATGATTGTGATGTTCCAG
 TCACCACTCAGAGAAACGAAAAGTGAAGGCCTACTAAGTTAACCCAATAGACAAAAGGAAATGTGAA
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 CTGATTATTATAAAATAATTAACCCCAATGGACTTGTCAACCATCAAGAAAAGACTTCAAGGAGGATTA
 TTGCATGTATACAAAGCCTGAAGACTTTGTAGCTGATTTTAGATTGATCTTTCAAAACTGTGCTGAATTC
 AATGAGCCTGATTCTGAAGTAGCCAATGCTGGTATAAACTTGAAAGCTATTTTGAAGAATTCTAAAGA
 ATCTTTATCCAGAAAAAGGTTTCTAAGGTAGAATTCAGGCAATGAAGCAGAAGACTGTAAGTTCAGTGA
 CGACTCAGACGATGACTTTGTACAGCCCCGGAAGAAGCGTCTCAAGAGCACCGAGGATCGCCAGCTGCT
 AAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231458 representing NM_001272076
 Red=Cloning site Green=Tags(s)

MADIFDYTFIGGCDACPTCACGSQRITWKSQFFPSCVRPMDKTAVTGDEQVGVIRCPVCSQECAERHII
 DNFFVKDTTEVPSSSTVEKSNQVCTSCEDNAEANGFCVECVWLLCKTCIRAHQRVKFTKDHTVRQKEEVSP
 EAVGVTSQRPVFCPFHKKEQLKLYCETCDKLTCRDCQLLEHKEHRYQFIEEAFQNKQVIIDTLITKLMK
 TKYIKYTGNIQNRIEINQNKQVEQDIKVAIFTLMVEINKKGGKALLHQLSLAKDHRMMLMQQQEVA
 GLSKQLEHVMHFSKWAVSSGSSTALLYSKRLITYRLRHLRARCASPVTNTTIQFHCDFPSFWAQNIINL
 GSLVIEDKESQPQMPKQNPVVEQSSQPPGGLPSNQLSKFPTQISLAQLRLQHIQQVMAQRQQVQRRPAP
 VGLPNPRMQGPIQQPSISHQHPPRLINFQNHSPKPNGPVLPPYPQQLRYSQSNVPRQTTIKPNPLQMA
 FLAQQAQIKQWQISSVQAPPTTASSSSSTPSSPTITSAAGYDGKAFSSPMIDLAPVGGSYNLPDIDC
 SSTIMLDNIARKDTGVDHAQPRPPSNRTVQSPNSVPSPLAGPVTMTSVHPPIRSPSASSVSGRSGSGS
 SSKPAGADSTHKVPVVMLEPIRIKQENSPPENYDFPVVIVKQESDEESRPQNTNYPRISLTSLLLNSQ
 SSASEETVLRSDAPDSTGDQPGLHQENSNGKSEWSDASQKSPVHVGETRKEDEPNEDWCAVCQNGGELL
 CCEKCPKVFHLTCHVPTLTNFPSEWICTFCRDLKPEVDYDCDVPSSHSEKRSKSEGLTKLTPIDKRKCE
 RLLLFLYCHEMSLAFQDPVPLTVPDYKIIKPNPMDLSTIKRRLQEDYCMYKPEDFVADFRLIFQNAEF
 NEPDSEVANAGIKLESYFEELLKNLYPEKRFKVEFRHEAEDCKFSDDSDDFVQPRKRLKSTEDRQLL
 K

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

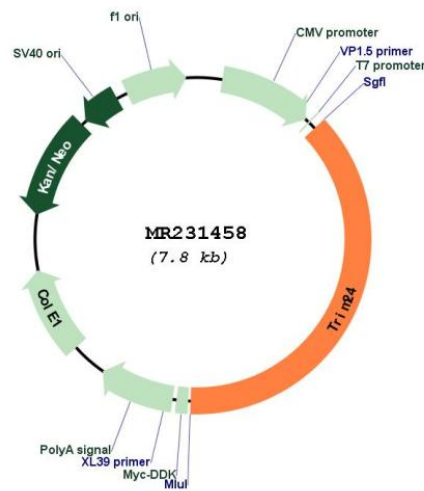
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001272076

ORF Size: 2943 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_001272076.1 , NP_001259005.1
RefSeq Size:	5771 bp
RefSeq ORF:	2946 bp
Locus ID:	21848
UniProt ID:	Q64127
Cytogenetics:	6 B1
MW:	110.6 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]