

Product datasheet for **MC223351**

Trim24 (NM_145076) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim24 (NM_145076) Mouse Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>MC223351 representing NM_145076 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTGGCTGTGGAGAAGGCGGGCGGCAGCGGCTCCGGCCGGAGGCCCGCAGCGGGCGGCCGA
GCGGGGAGAATGAGGCCGAGAGCCGGCAGGGCCCGGACTCGGAGAGCGGGCGGAGGCGTCCCGGCTCAA
CCTGTTGGACACTTGGCCCGTGTGCCACCAGAATCCAGAGCCGGGTGCCAAGCTGCTGCCCTGCCTG
CACTCGTCTGCCAGCGCTGTTTGGCCGCGCCGAGCGCTATCTCATGCTGACGGCGCCCGCTGGGT
CGGCAGAGACCCCTCACCCGCTCCCGCCCCGCCCCCGCCCGGCTCCCGGGCCGGTGGTCTTCGCC
ATTCGCCACCCAAGTTGGAGTCATTGATGCCAGTTTGCAGTCAAGAGTGTGCTGAGAGACACATCATA
GACAACTTTTTTGTAAGGACACCACTGAAGTTCTAGTAGTACAGTAGAAAAGTCTAATCAGGTATGTA
CAAGCTGTGAAGACAATGCAGAAGCTAATGGGTTTTGTGTAGAGTGTGTTGAATGGCTCTGCAAGACATG
TATTAGAGCTCACCAGAGGGTGAAGTTCACAAAAGACCACACAGTCAGGCAGAAAGAAGAAGTATCTCCA
GAGGCAGTTGGGGTGACCAGTCAGCGACCAGTGTGTTTGTCCCTTCCATAAAAAGGAGCAGTTGAACTTT
ACTGTGAAACATGTGATAAACTGACCTGTGAGACTGCCAGCTGCTAGAACACAAAGAACACAGGTATCA
ATTTATAGAAGAAGCTTTTCAGAATCAAAAAGTGATCATAAGATACTCTAATCACCAAAAGTGGAAAAA
ACAAAATATAAAGTATACAGGAAATCAGATCCAAAATAGGATAATTGAAATAAATCAAAACAAAAGC
AGGTGGAACAGGATATTAAGTTGCCATCTTCACATTGATGGTGGAGATAAACAAAAAAGGGAAAGCTCT
GCTGCACCAGCTTGAGAGTCTTGCAAAGGACCATCGAATGAAACTCATGCAACAACAGCAGGAAAGTGGCT
GGGCTTTCTAAGCAGTTAGAGCAGTCATGCATTTTTCTAAATGGGCTGTTTCCAGTGGCAGCAGCACAG
CCTTGCTGTACAGCAAGCGGCTGATTACATACAGGTTACGGCACCTTCTTCGTGCAAGGTGTGATGCTTC
TCCTGTGACCAACACCACCATCCAGTTTCACTGTGATCCTAGTTTCTGGGCTCAAAATATTATCAACTG
GGTTCTTTAGTAATCGAGGATAAAGAGAGCCAGCCACAAATGCCTAAGCAGAATCCTGTCGTGGAGCAGA
GTTACAGCCACCAGGTGGTTTACCTTCCAACAGTTATCCAAGTCCCAACACAGATCAGCCTAGCTCA
GTTACGACTCCAGCATATTCAGCAACAGGTAATGGCTCAGAGGCAACAGGTGCAACGGAGGCCAGCACCT



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GTGGGTTTACAAACCCTAGAATGCAGGGGCCATCCAGCAGCCTTCCATCTCTCATCAGCATCCGCCAC
CACGCTTAATAAACTTTTCAAGATCACAGCCCTAAGCCCAATGGACCAGTTCTTCCTCTTATCCTCAGCA
GCTGAGATATTCACCAAGCCAGAATGTACCTCGGCAGACAACAATAAAGCCCAACCCCTTGCAAATGGCT
TTTTTGGCTCAACAGGCCATAAAACAGTGGCAGATCAGCAGTGTACAGGCTCCGCCACAACCTGCCAGCA
GCTCCTCCTCCACGCCGTCCAGCCCCACAATCACAAGTGCAGCTGGGTACGATGGAAAAGCTTTTAGTTC
ACCCATGATTGATCTGAGTGCACCGTGGGAGGGTCTTACAATCTTCTCTCTCCAGATATTGATTGT
TCAAGTACTATAATGTTGGACAACATTGCAAGGAAAGACACAGGTGTAGATCACGCCACCCGAGGCCTC
CGTCAAACAGAACGGTGCAGTCACCAAATTCATCAGTGCCATCTCCAGGCCTTGACAGGCCTGTTACTAT
GACTAGCGTCCATCCCCAATACGTTTACCTAGTGCCCTCCAGTGTGGAAGTCGAGGAAGCTCTGGCTCT
TCCAGCAAACCAGCAGGAGCTGATTCTACTCACAAGGTCCAGTAGTCATGCTGGAGCCAATTCGAATAA
AACAGGAAAACAGTGGACCACCTGAAAATTATGATTTTCTGTTTATAGTAAAACAAGAAATCAGATGA
AGAATCTAGACCTCAAAATACTAATCACAAGAAGCATACTTACCTCCCTCCTTAAACAGCAGTCAG
AGCTCTGCTTCTGAGGAAACCGTGTACGATCTGATGCCCTGATAGTACAGGAGATCAGCCTGGACTCC
ATCAAGAAAATTCCTCAAATGAAAAGTCTGAGTGGTGGATGCCCTCCAGAAAGTCCCTGTGCATGTCGG
AGAGACGAGGAAGGAGGATGACCCCAATGAAGACTGGTGTGCTGTTTGTCAAATGGTGGGAACTCCTA
TGCTGTGAGAAAATGTCCTAAAGTATTCCATCTTACTTGTGATGTGCCACCTTGACAAAATTTTCAAAGT
GAGAATGGATCTGTACTTTCTGCCGAGACTTATCTAAGCCAGAGGTTGACTATGATTGTGATGTTCCAG
TCACCACTCAGAGAAAACGGAAAAGTGAAGGCCTTACTAAGTTAACGCCAATAGACAAAAGGAAAATGTGAA
CGCCTACTTCTGTTTCTTACTGCCATGAAATGAGCCTGGCTTTCGAAGACCCTGTTCTCTAACTGTGC
CTGATTATTATAAAAATAATTAACCCCAATGGACTTGTCAACCATCAAGAAAAGACTTCAGGAGGATTA
TTGCATGTATACAAAGCCTGAAGACTTTGTAGCTGATTTTAGATTGATCTTTCAAACCTGTGCTGAATTC
AATGAGCCTGATTCTGAAGTAGCCAATGCTGGTATAAACTTGAAAGCTATTTTGAAGAACTTCTAAAGA
ATCTTTTCCAGAAAAAGGTTTCTAAGGTAGAATTCAGGCATGAAGCAGAAGACTGTAAGTTTCAGTGA
CGACTCAGACGATGACTTTGTACAGCCCCGGAAGAAGCGTCTCAAGAGCACCAGGATCGCCAGCTGCTT
AAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3656_h08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_145076

Insert Size: 3156 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.