

## Product datasheet for **MC229278**

### Trim24 (NM\_001272064) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim24 (NM_001272064) Mouse Untagged Clone
Tag:	Tag Free
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
Fully Sequenced ORF:	>MC229278 representing NM_001272064 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGTGGCTGTGGAGAAGGCGGGCGGCGCAGCGGCTCCGGCCGGAGGCCCGCAGCGCGGCGCCGA  
GCGGGGAGAATGAGGCCGAGAGCCGGCAGGGCCCGGACTCGGAGAGCGGGCGGAGGCGTCCCGGCTCAA  
CCTGTTGGACACTTGCGCCGTGTGCCACCAGAACATCCAGAGCCGGGTGCCAAGCTGCTGCCCTGCCTG  
CACTCGTTCTGCCAGCGCTGTTGCCCGCGCCGACGCGCTATCTCATGCTGACGGCGCCCGCGCTGGGCT  
CGGCAGAGACCCCTCCACCCGCTCCCGCCCCGCCCCCGGGCTCCCGGGCCGGTGGTCTTCGCC  
ATTCGCCACCCAAGTTGGAGTCATTTCGATGCCAGTTTGCAGTCAAGAGTGTGCTGAGAGACACATCATA  
GACAACTTTTTGTGAAGGACACCACTGAAGTTCCTAGTAGTACAGTAGAAAAGTCTAATCAGGTATGTA  
CAAGCTGTGAAGACAATGCAGAAGCTAATGGGTTTTGTGTAGAGTGTGTTGAATGGCTCTGCAAGACATG  
TATTAGAGCTCACCAGAGGGTGAAGTTCACAAAAGACCACACAGTCAGGCAGAAAAGAAGAATCTCCA  
GAGGCAGTTGGGGTGACCAGTCAGCGACCAGTGTTCCTCCATAAAAAGGAGCAGTTGAACTTT  
ACTGTGAAACATGTGATAAACTGACCTGTCGAGACTGCCAGTCTAGAACAACAAAACACAGGTATCA  
ATTTATAGAAGAAGCTTTTCAGAATCAAAAAGTGATCATAGATACTCTAATCACAAACTGATGAAAAA  
ACAAAATATATAAAGTATACAGGAAATCAGATCCAAAATAGGATAATTGAAATAAATCAAAAACAAAAGC  
AGGTGGAACAGGATATTAAGTTGCCATCTTCACATTGATGGTGGAGATAAAACAAAAAGGGAAAGCTCT  
GCTGCACCAGCTTGAAGTCTTGCAAAGGACCATCGAATGAAACTCATGCAACAACAGCAGGAAAGTGGCT  
GGGCTTTCTAAGCAGTTAGAGCACGTATGCATTTTTCTAAATGGGCTGTTTCCAGTGGCAGCAGCACAG  
CCTTGCTGTACAGCAAGCGGCTGATTACATACAGGTTACGGCACCTTCTCGTCAAGGTGTGATGCTTC  
TCCTGTGACCAACACCACCATCCAGTTTCACTGTGATCCTAGTTTCTGGGCTCAAAATATTCAACTTG  
GGTCTTTAGTAATCGAGGATAAAGAGAGCCAGCCACAAATGCCTAAGCAGAATCCTGTCGTGGAGCAGA  
GTTACAGCCACCAGGTGGTTTACCTTCCAACAGTTATCCAAGTTCCCAACACAGATCAGCCTAGCTCA  
GTTACGACTCCAGCATATTCAGCAACAGCATCCGCCACCAGCTTAATAAACTTTTCAAGATCACAGCCCT  
AAGCCCAATGGACCAGTCTTCCTCCTTATCCTCAGCAGCTGAGATTCACCAAGCCAGAATGTACCTC



GGCAGACAACAATAAAGCCCAACCCCTTGCAAATGGCTTTTTTGGCTCAACAGGCCATAAAACAGTGGCA  
GATCAGCAGTGTACAGGCTCCGCCACAACCTGCCAGCAGCTCCTCCTCCACGCCGTCCAGCCCCACAATC  
ACAAGTGCAGCTGGGTACGATGGAAAAGCTTTTAGTTCACCCATGATTGATCTGAGTGCACCGGTGGGAG  
GGTCTTACAATCTTCTTCTCTCCAGATATTGATTGTTCAAGTACTATAATGTTGGACAACATTGCAAG  
GAAAGACACAGGTGTAGATCACGCCAGCCGAGGCCTCCGTCAAACAGAACGGTGCAGTCCACAAATTCA  
TCAGTGCCATCTCCAGGCCTTGCAAGGCCTGTTACTATGACTAGCGTCCATCCCCAATACGTTCCACCTA  
TGCCTCCAGTGTGGAAGTCGAGGAAGCTCTGGCTCTCCAGCAAACCAGCAGGAGCTGATTCTACTCA  
CAAGGTCCCAGTAGTCATGCTGGAGCCAATTCGAATAAAACAGGAAAACAGTGGACCACCTGAAAAATTAT  
GATTTTCTGTTGTTATAGTAAAACAAGAATCAGATGAAGAATCTAGACCTCAAAAATACTAACTATCCAA  
GAAGCATACTTACCTCCCTCCTCTTAAACAGCAGTCAGAGCTCTGCTTCTGAGGAAAACCGTGTACGATC  
TGATGCCCTGATAGTACAGGAGATCAGCCTGGACTCCATCAAGAAAATTCCTCAAATGGAAAGTCTGAG  
TGGTCCGATGCCTCCAGAAAGTCCCCTGTGCATGTCGGAGAGACGAGGAAGGAGGATGACCCCAATGAAG  
ACTGGTGTCTGTTTGTCAAAATGGTGGGAACCTCTATGCTGTGAGAAATGCTCAAAGTATTCCATCT  
TACTTGCATGTGCCACCTTGACAAATTTTCCAAGTGGAGAATGGATCTGTACTTTCTGCCGAGACTTA  
TCTAAGCCAGAGTTGACTATGATTGTGATGTTCCAGTCAACTCAGAGAAACGAAAAGTGAAGGCC  
TACTAAGTTAACGCCAATAGACAAAAGGAAATGTGAACGCTACTTCTGTTTCTTACTGCCATGAAAT  
GAGCCTGGCTTCCAAGACCCTGTTCTCTAACTGTGCCTGATTATTATAAAATAATTAACCAATG  
GACTTGTCAACCATCAAGAAAAGACTTCAGGAGGATTATTGCATGTATACAAAGCCTGAAGACTTTGTAG  
CTGATTTTAGATTGATCTTTCAAACCTGTGCTGAATTCATGAGCCTGATTCTGAAGTAGCCAATGCTGG  
TATAAACTTGAAAGCTATTTTGAAGAACTCTAAAGAATCTTTATCCAGAAAAAGGTTTCTTAAGGTA  
GAATTCAGGCATGAAGCAGAAGACTGTAAGTTCAGTGACGACTCAGACGATGACTTTGTACAGCCCCGGA  
AGAAGCGTCTCAAGAGCACCGAGGATCGCCAGCTGCTTAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_001272064
<b>Insert Size:</b>	3054 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001272064.1</a></u> , <u><a href="#">NP_001258993.1</a></u>

RefSeq Size: 6089 bp

RefSeq ORF: 3054 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 (2) uses an alternate in-frame donor splice site in the coding region compared to variant 1. It encodes isoform 2 which is shorter than 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.