

## Product datasheet for **MC216314**

### **Trit1 (NM\_025873) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Trit1 (NM_025873) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trit1
Synonyms:	2310075G14Rik; AI314189; AI314635; AV099619; IPT; MOD5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216314 representing NM\_025873  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCTGCGGCTGCTGCACGAGCAGTTCTGTGAGCTCTGGATTCCGAGGCCTGCGGCGAACACTGTC  
 CACTTGTAGTGATTCTCGGGGCTACTGGGACTGGCAAGTCCACCTGGCTCTGCAGTTAGGCCAGCGGCT  
 CGGCGCGGAGATCGTCAGCGCCGACTCCATGCAGGTCTATGAAGGGCTAGACATCATACCAATAAGGTC  
 TCTGCCAAGAGCAGAAGATGTGCCAGCACCATGATCAGCTTTGTGGATCCACTTGTGACCAGCTACA  
 CCGTGGTGGACTTTAGGAACAAAGCAACGGCCCTGATTGAAGATATTTTTGCTCGAGACAAAATCCCAT  
 TGTGGTGGGAGGAACCAATTATTACATTGAATCTCTGCTCTGGAAAGTTCTTATTACTACCAAGCCCCAG  
 GAGATGGGCACTGGAAAGTGGTTGATCGAAAGTAGAGCTTGAAAGGAAGATGGTCATGAACTCCATA  
 AACGGCTAAGCCAGGTGGACCCAGAAATGGCCGCAAGTACACCCGCATGACAAACGCAAAGTGGCCAG  
 GAGCTTGAAGTGGTTGAAGAAACAGGAATCTCTCACAGTGAATTCCTTCATCGTCAGCAGCAGAGGAA  
 GCGGGTGGTCTCTTGGAGGCCCTCTCAGGTCCCTAACCATGCATCCTCTGGCTCCATGCTGACCAGG  
 CAGTTCTAGATGAGCGCTTGGATAAAAAGAGTGGATGACATGCTTGTCTGCCGACTCTTGGAGAGCTGAG  
 AGGTTTTACAGACGTTATAATCTTAAGAACATTTAGAAAATAGCCAGGACTATCAACACGGTATCTTC  
 CAGTCAATTGGCTTCAAGGAATTTACAGAGTACCTGACCACTGAGGGGAAATGCACACCAGAGACTAGTA  
 ACCAGCTTCTAAAGAAAGGTATTGAGGCTCTGAAACAAGTAACTAAGAGATATGCCCGGAAACAGAACCG  
 ATGGGTAAAAACCGCTTTTGGACAGACCTGGGCCAGTGTCCCCCGGTATATGGCTTAGAAGTATCT  
 GATGTTTCCAAGTGGGAGGAGTCTGTTCTGGAACCTGCTCTCAATATAGTACAAAGTTTCATCCAGGGTC  
 ACAAACTACAGCCATGCCAGTGAAGATGGCATAACAATGAAAGTGAGAACAAGAGAAGTTACCACATGTG  
 TGACCTCTGTGACCGGATCATATTGGGACCGGGAATGGGCAGCACATTTAAAATCCAAATCTCACTTG  
 CACCAATTGAAGAAAAGAAGGTTGGACTTAGACGCTGTCAGTGCCACAGGAAGTCAAAGTAATTTCC  
 CAGACTGTGACCCGGAACGCATCGAGGGGAATCCTCGGGCAGCACAAATCAAGAGCTGAAGGCCAGTGT  
**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_025873

**Insert Size:** 1404 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:	<u>NM_025873.2, NP_080149.2</u>
RefSeq Size:	2059 bp
RefSeq ORF:	1404 bp
Locus ID:	66966
UniProt ID:	<u>Q80UN9</u>
Cytogenetics:	4 D2.2
Gene Summary:	Catalyzes the transfer of a dimethylallyl group onto the adenine at position 37 of both cytosolic and mitochondrial tRNAs, leading to the formation of N6-(dimethylallyl)adenosine (i(6)A).[UniProtKB/Swiss-Prot Function]