

## Product datasheet for MC209529

### Tia1 (NM\_001164079) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tia1 (NM\_001164079) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tia1  
**Synonyms:** 2310050N03Rik; AI256674; mTIA-1; TIA-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209529 representing NM\_001164079  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGGACGAGATGCCAAGACTCTATACGTCGGTAACCTTTCTCGAGATGTGACAGAAGCTCTCATCC  
 TCCAGCTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAATGATTATGGATACAGCAGGAAATGACCC  
 ATACTGTTTTGTGGATTCCATGAGCACCGTCATGCAGCTGCAGCCCTGGCTGCCATGAATGGCGGAAG  
 ATAATGGGTAAGGAAGTAAAGTGAATTGGCAACAACCCCTAGCAGTCAAAGAAGGATACGAGCAATC  
 ATTTCCATGTGTTTTGTTGGTGACCTCAGTCCAGAAATCAACAACCGAAGACATCAAAGCAGCGTTTGACC  
 ATTTGGAAGAATTTAGATGCCCGTGTGGTAAAAGACATGGCTACCGGGAAGTCTAAGGGATATGGCTTT  
 GTCTCCTTTTTCAACAAATGGGATGCAGAAAAATGCCATTCAGCAGATGGGTGGCCAGTGGCTTGGTGAA  
 GACAAATCAGAATAACTGGGCAACCCGAAAGCCTCCAGCTCAAAGAGTACATATGAGTCGAACACCAA  
 ACAGCTGTCATATGATGAGGTTGTGAGTCAGTCTAGTCCCAACAACCTGCACTGTGTACTGTGGAGGGTG  
 ACGTCAGGACTGACAGAACAATAATGCGTCAGACTTTTTCTCCATTTGGACAAAATATGGAATTCGAG  
 TCTTCCAGATAAAGGATACTCATTTGTTGTCGTCAGACCCAGTCTTCTGCACCGTGGATGGGACCCAATTA  
 CAGTGTGCCACCACCTCAAGGGCAGAATGGCAGCATGTTGCCCTAGTCAGCCTGCTGGGTATCGAGTGCC  
 GGGTATGAAACCCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001164079  
**Insert Size:** 858 bp



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<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>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>NM_001164079.1, NP_001157551.1</u>
<b>RefSeq Size:</b>	4174 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	21841
<b>Cytogenetics:</b>	6 D1
<b>Gene Summary:</b>	<p>Involved in alternative pre-RNA splicing and regulation of mRNA translation by binding to AU-rich elements (AREs) located in mRNA 3' untranslated regions (3' UTRs). Possesses nucleolytic activity against cytotoxic lymphocyte target cells. May be involved in apoptosis (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks three alternate in-frame exons, compared to variant 1. The resulting isoform (3) lacks two internal segments, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>