

Product datasheet for MC217760

Tia1 (NM_001164078) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tia1 (NM_001164078) 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: >MC217760 representing NM_001164078
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGGACGAGATGCCAAGACTCTATACGTCGGTAACCTTTCTCGAGATGTGACAGAAGCTCTCATCC
 TCCAGCTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAAATGATTATGGATGTAAGGACAGCAGGAAA
 TGACCCATACTGTTTTGTGGAGTTCCATGAGCACCGTCATGCAGCTGCAGCCCTGGCTGCCATGAATGGG
 CGGAAGATAATGGGTAAGGAAGTGAAAGTGAATTGGGCAACAACCCCTAGCAGTCAAAGAAGGATACGA
 GCAATCATTTCCATGTGTTTGTGGTGACCTCAGTCCAGAAATCACAACCGAAGACATCAAAGCAGCGTT
 TGCACCATTTGGAAGAATTTAGATGCCCGTGTGGTAAAAGACATGGCTACCGGGAAGTCTAAGGGATAT
 GGCTTTGTCTCTTTTTCAACAATGGGATGCAGAAAAAGCCATTCAGCAGATGGGTGGCCAGTGGCTTG
 GTGGAAGACAAATCAGAACTAACTGGGCAACCCGAAAGCCTCCAGCTCCAAGAGTACATATGAGTCGAA
 CACCAACAGCTGTCATATGATGAGGTTGTGAGTCAGTCTAGTCCAACAACCTGCACTGTGTACTGTGGA
 GGGGTGACGTGAGACTGACAGAACAATAATGCGTCAGACTTTTTCTCCATTTGGACAAATAATGGAAA
 TTCGAGTCTCCAGATAAAGGATACTCATTGTTGCGTTCAGTTCATGAAAGTGCAGCACATCGCAT
 TGTTTCTGTTAATGGTACTACCATTGAAGGGCATGTGGTGAATGTTATTGGGGCAAGAGACTCTTGAT
 ATGATAAACCTGTGCAACAGCAAAATCAAATTGGATATCCACCAACATATGGCCAGTGGGGCCAGTGGT
 ATGAAAATGCACAACAGATTGGCCAGTATGTGCCTAACGGTTGGCAAGTACCTGCCTATGGAGTGTATGG
 CCAGCCATGGAGCCAGCAGGGTTCAATCAGACCCAGTCTTCTGCACCGTGGATGGGACCAATTACAGT
 GTGCCACCACCTCAAGGGCAGAATGGCAGCATGTTGCCTAGTCAGCCTGCTGGGTATCGAGTGGCCGGT
 ATGAAACCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001164078
Insert Size:	1134 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:	<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:	<u>NM_001164078.1, NP_001157550.1</u>
RefSeq Size:	4450 bp
RefSeq ORF:	1134 bp
Locus ID:	21841
Cytogenetics:	6 D1
Gene Summary:	<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 (2) uses an alternate in-frame splice site in the 5' coding region and lacks an alternate in-frame exon in the central coding region compared to variant 1. The resulting isoform (2) includes a two-aa segment and lacks a second internal segment, compared to 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.</p>