

Product datasheet for MR205879

Tia1 (NM_001164078) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tia1 (NM_001164078) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tia1
Synonyms:	2310050N03Rik; AI256674; mTIA-1; TIA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205879 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGACGAGATGCCCAAGACTCTACGTCGGTAACCTTTCTCGAGATGTGACAGAAGCTCTCATCC
TCCAGCTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAAATGATTATGGATGTAAGGACAGCAGGAAA
TGACCCATACTGTTTTGTGGAGTCCATGAGCACCGTCATGCAGCTGCAGCCCTGGCTGCCATGAATGGG
CGGAAGATAATGGTAAGGAAGTAAAGTGAATTGGGCAACAACCCTAGCAGTCAAAGAAGGATACGA
GCAATCATTTCCATGTGTTTGGTGGTACCTCAGTCCAGAAATCAACAACCGAAGACATCAAAGCAGCGTT
TGACCATTGGGAAGATTTAGATGCCCGTGTGGTAAAAGACATGGCTACCGGGAAGTCTAAGGGATAT
GGCTTTGTCTCCTTTTTCAAAAATGGGATGCAGAAAATGCCATTGAGCAGATGGGTGGCCAGTGGCTTG
GTGAAGACAAAATCAGAACTAACTGGGCAACCCGAAAGCCTCCAGCTCCAAGAGTACATATGAGTCGAA
CACCAACAGCTGTCATATGATGAGGTTGTGAGTCAGTCTAGTCCCAACAACCTGCACTGTGTACTGTGGA
GGGTGACGTCAGGACTGACAGAACAATAATGCGTCAGACTTTTTCTCCATTTGGACAAAATAATGGAAA
TTCGAGTCTCCAGATAAAGGATACTCATTGTTGCGTTCAGTCCCATGAAAGTGCAGCACATGCGAT
TGTTTCTGTTAATGGTACTACCATTGAAGGTCATGGTGAATGTTATGGGGCAAAGAGACTCTTGAT
ATGATAAACCTGTGCAACAGCAAAAATCAAATTTGGATATCCACCAACATATGGCCAGTGGGCCCAGTGGT
ATGGAAATGCACAACAGATTGGCCAGTATGTGCCTAACGGTTGGCAAGTACCTGCCTATGGAGTGTATGG
CCAGCCATGGAGCCAGCAGGGGTTCAATCAGACCCAGTCTTCTGCACCGTGGATGGGACCAATTACAGT
GTGCCACCACCTCAAGGGCAGAATGGCAGCATGTTGCCTAGTCAGCCTGCTGGGTATCGAGTGGCCGGT
ATGAAACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205879 protein sequence
Red=Cloning site Green=Tags(s)

MEDEMPKTLVYGNLSRDVTEALILQLFSQIGPCKNCKMIMDVRTAGNDPYCFVEFHEHRHAAAAAAMNG
 RKIMGKEVKVNWATTPSSQK KDTSNHFHFVVDLSPEITTEDIKAAFAPFGRISDARVVKDMATGKSKGY
 GFVSFFNKWDAENAIQQMGQWLGGRRQIRTNWATRKPAPKSTYESNTKQLSYDEVVVSQSSPNNCTVYCG
 GVTSGLTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRFSSHESAHAIVSVNGTTIEGHVVKCYWGKETLD
 MINPVQQNQIGYPPTYGQWQWYGNAQQIGQYVPNGWQVPAYGVYGGQPWSQQGFNQTSAPWMPGNYS
 VPPPQQNGSMLPSQPAGYRVAGYETQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001164078

ORF Size: 1134 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001164078.1](#), [NP_001157550.1](#)

RefSeq Size: 4450 bp

RefSeq ORF: 1134 bp

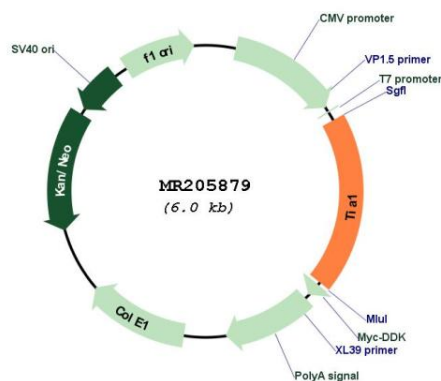
Locus ID: 21841

Cytogenetics: 6 D1

MW: 41.9 kDa

Gene Summary: 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]

Product images:



Circular map for MR205879