

Product datasheet for MR222478

Tia1 (NM_011585) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tia1 (NM_011585) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tia1
Synonyms: 2310050N03Rik; AI256674; mTIA-1; TIA-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR222478 representing NM_011585
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGACGAGATGCCAAGACTCTATACGTCGGTAACCTTTCTCGAGATGTGACAGAAGCTCTCATCC
TCCAGCTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAAATGATTATGGATACAGCAGGAAATGACCC
ATACTGTTTTGTGGAGTCCATGAGCACCGTCATGCAGCTGCAGCCCTGGCTGCCATGAATGGGCGGAAG
ATAATGGGTAAGGAAGTAAAGTGAATTGGGCAACAACCCCTAGCAGTCAAAAGAAGGATACGAGCAGTA
GTACCGTTGTGAGCACACAGCGTTCACAAGATCATTTCCATGTGTTTGTGGTGACCTCAGTCCAGAAAT
CACAACCGAAGACATCAAAGCAGCGTTTGCACCATTTGGAAGAATTTAGATGCCCGTGTGGTAAAAAGAC
ATGGCTACCGGAAGTCTAAGGGATATGGCTTTGTCTCTTTTCAACAAATGGGATGCAGAAAAATGCCA
TTCAGCAGATGGGTGGCCAGTGGCTTGGTGAAGACAAATCAGAACTAACTGGGCAACCCGAAAGCCTCC
AGCTCAAAGAGTACATATGAGTCGAACACCAACAGCTGTCATATGATGAGGTTGTGAGTCAGTCTAGT
CCCAACAAGTGCAGTGTACTGTGGAGGGTGACGTGAGGACTGACAGAACAATAATGCGTCAGACTT
TTCTCCATTTGGACAAATAATGGAATTCGAGTCTTCCAGATAAAGGATACTCATTGTTGCGGTTTCAG
TTCCCATGAAAGTGCAGCACATGCGATTGTTTCTGTTAATGGTACTACCATTGAAGGCGATGTGGTGAAA
TGTTATTGGGCAAGAGACTCTTGATATGATAAACCTGTGCAACAGCAAAATCAAATGGATATCCAC
CAACATATGGCCAGTGGGCCAGTGGTATGAAAATGCACAACAGATTGGCCAGTATGTGCCTAACGGTTG
GCAAGTACCTGCCTATGGAGTGTATGGCCAGCCATGGAGCCAGCAGGGGTTCAATCAGACCCAGTCTTCT
GCACCGTGGATGGGACCAATTACAGTGTGCCACCACCTCAAGGGCAGAATGGCAGCATGTTGCCTAGTC
AGCCTGCTGGGTATCGAGTGGCCGGGTATGAAACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MEDEMPKTLVGNLSRDVTEALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEHRHAAAALAAMNGRK
 IMGKEVKVNWATTPSSQKKDTSSTVVSTQRSQDHFHVFVGDLSPEITTEDIKAAFAPFGRISDARVVKD
 MATGKSKGYGFVSFFNKWDAENAIQQMGGQWLGGRIQRTNWATRPPAPKSTYESNTKQLSYDEVVSQSS
 PNNCTVYCGGVTSGLTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRFSSHESAHAIVSVNGTTIEGHVVK
 CYWGKETLDMINPVQQNQIGYPPTYGQWQWYGNAQQIGQYVPNGWQVPAYGVYGPWSQQGFNQTS
 APWMGPNYSVPPPQNGSMLPSQPAGYRVAGYETQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

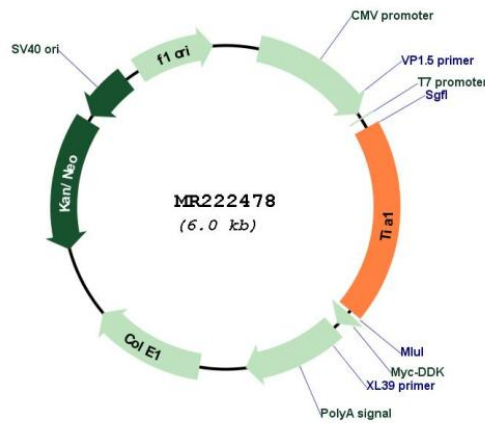
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_011585

ORF Size:	1158 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:	<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:	NM_011585.4 , NP_035715.1
RefSeq Size:	4477 bp
RefSeq ORF:	1161 bp
Locus ID:	21841
UniProt ID:	P52912
Cytogenetics:	6 D1
MW:	43.2 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]