

Product datasheet for MR222480

Tia1 (NM_001164079) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tia1 (NM_001164079) 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:	>MR222480 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGACGAGATGCCCAAGACTCTATACGTCGGTAACCTTTCTCGAGATGTGACAGAAGCTCTCATCC
TCCAGCTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAAATGATTATGGATACAGCAGGAAATGACCC
ATACTGTTTTGTGGAGTCCATGAGCACCGTCATGCAGCTGCAGCCCTGGCTGCCATGAATGGCGGAAG
ATAATGGGTAAGGAAGTAAAAGTGAATTGGCAACAACCCCTAGCAGTCAAAGAAGGATACGAGCAATC
ATTTCCATGTGTTTGTGGTGACCTCAGTCCAGAAATCACAACCGAAGACATCAAAGCAGGTTTTGCACC
ATTTGGAAGAATTCAGATGCCCGTGTGGTAAAAGACATGGCTACCGGGAAGTCTAAGGGATATGGCTTT
GTCTCCTTTTTCAACAAATGGGATGCAGAAAATGCCATTCAGCAGATGGGTGGCCAGTGGCTTGGTGGAA
GACAAATCAGAACTAACTGGGCAACCCGAAAGCCTCCAGCTCCAAAGAGTACATATGAGTCGAACACCAA
ACAGCTGTATATGATGAGGTTGTGAGTCAGTCTAGTCCCAACTGCCTGTGTACTGTGGAGGGGTG
ACGTCAGGACTGACAGAACAACTAATGCGTCAGACTTTTTCTCCATTTGGACAAATAATGGAATTCGAG
TCTTCCAGATAAAGGATACTCATTTGTTTCGTGAGCCAGTCTTCTGCACCGTGGATGGGACCAATTA
CAGTGTGCCACCCTCAAGGGCAGAATGGCAGCATGTTGCTAGTCAGCCTGCTGGGTATCGAGTGGCC
GGGTATGAAACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222480 protein sequence
 Red=Cloning site Green=Tags(s)

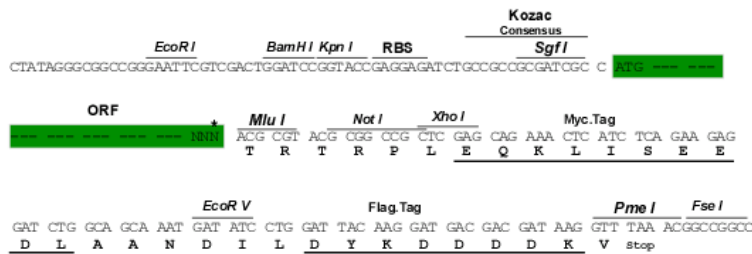
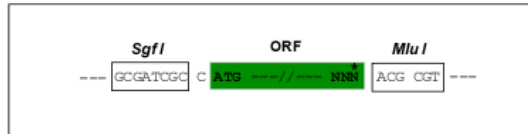
MEDEMPKTLVGNLSRDVTEALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEHRHAAAALAAMNGRK
 IMGKEVKVNWATTPSSQKKDTSNHFHVFDLSPFITTEDIKAAFAPFGRISDARVVKDMATGKSKGYGF
 VSFFNKWDAENAIQQMGQWLGGGRQIRTNWATRPPAPKSTYESNTKQLSYDEVVSQSSPNNCTVYCGGV
 TSGLTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRQTQSSAPWMPNYSVPPPQGGQNGSMLPSQPAGYRVA
 GYETQ

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_001164079

ORF Size: 858 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_001164079.1](#), [NP_001157551.1](#)

RefSeq Size: 4174 bp

RefSeq ORF: 858 bp

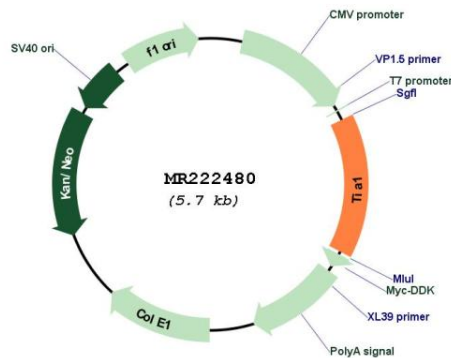
Locus ID: 21841

Cytogenetics: 6 D1

MW: 31.6 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 MR222480