

Product datasheet for **MG205879**

Tia1 (BC046812) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tia1 (BC046812) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tia1
Synonyms:	2310050N03Rik; AI256674; mTIA-1; TIA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205879 representing BC046812 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGACGAGATGCCCAAGACTCTACGTCGGTAACCTTTCTCGAGATGTGACAGAAGCTCTCATCC
TCCAGCTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAAATGATTATGGATGTAAGGACAGCAGGAAA
TGACCCATACTGTTTTGTGGAGTCCATGAGCACCGTCATGCAGCTGCAGCCCTGGCTGCCATGAATGGG
CGGAAGATAATGGTAAGGAAGTAAAGTGAATTGGGCAACAACCCTAGCAGTCAAAGAAGGATACGA
GCAATCATTTCCATGTGTTTGTGGTGACCTCAGTCCAGAAATACAACCGAAGACATCAAAGCAGCGTT
TGACCATTTGGAAGAATTTAGATGCCGTGTGGTAAAAGACATGGCTACCGGGAAGTCTAAGGGATAT
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CACCAACAGCTGCATATGATGAGGTTGTGAGTCAGTCTAGTCCCAACAACTGCACTGTGTACTGTGGA
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TTCGAGTCTCCAGATAAAGGATACTCATTGTTCGGTTCAGTCCCATGAAAGTGCAGCACATGCGAT
TGTTTCTGTTAATGGTACTACCATTGAAGGGCATGTGGTGAATGTTATGGGGCAAAGAGACTCTTGAT
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CCAGCCATGGAGCCAGCAGGGGTTCAATCAGACCCAGTCTTCTGCACCGTGGATGGGACCAATTACAGT
GTGCCACCACCTCAAGGGCAGAATGGCAGCATGTTGCCTAGTCAGCCTGCTGGGTATCGAGTGGCCGGT
ATGAAACCCAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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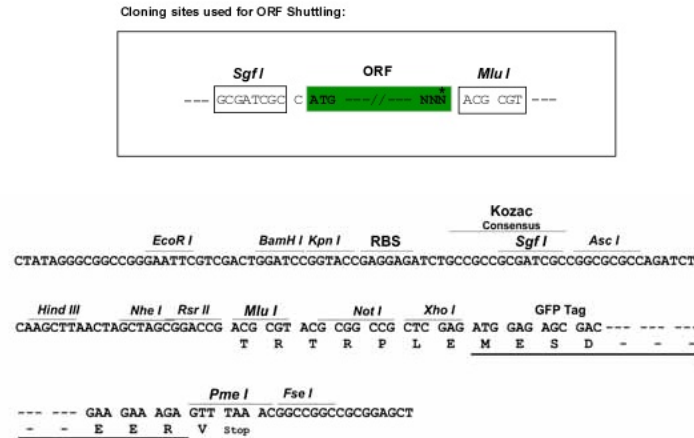
Protein Sequence: >MG205879 representing BC046812
 Red=Cloning site Green=Tags(s)

```
MEDEMPKTLVGNLSRDVTEALILQLFSQIGPCKNCKMIMDVRTAGNDPYCFVEFHEHRHAAAAAAMNG
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GFVSFFNKWDAENAIQQMGGQWLGGRRQIRTNWATRKPAPKSTYENSTKQLSYDEVVSQSSPNNCTVYCG
GVTSGLTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRFSSHESAHAIVSVNGTTIEGHVVKCYWGKETLD
MINPVQQNQIGYPTYGQWGWYGNAAQQIGQYVPNGWQVPAYGVYGGQPWSQQGFNQTQSSAPWMPGNYS
VPPPQQNGSMLPSQPAGYRVAGYETQ
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC046812

ORF Size: 1133 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: [BC046812](#), [AAH46812](#)

RefSeq Size: 3125 bp

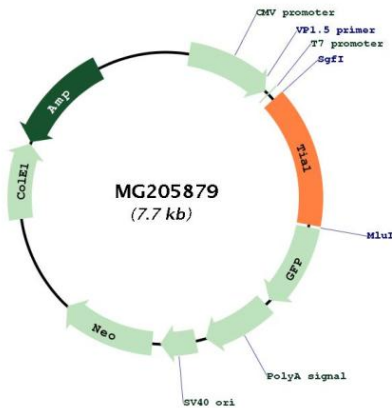
RefSeq ORF: 1133 bp

Locus ID: 21841

Cytogenetics: 6 D1

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 MG205879