

## Product datasheet for **MG222480**

### Tia1 (NM\_001164079) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tia1 (NM_001164079) 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:	>MG222480 representing NM_001164079 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGACGAGATGCCAAGACTCTATACGTCGGTAACCTTTCTCGAGATGTGACAGAAGCTCTCATCC  
TCCAGCTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAAATGATTATGGATACAGCAGGAAATGACCC  
ATACTGTTTTGTGGAGTCCATGAGCACCGTCATGCAGCTGCAGCCCTGGCTGCCATGAATGGCGGAAG  
ATAATGGGTAAGGAAGTAAAAGTGAATTGGCAACAACCCCTAGCAGTCAAAGAAGGATACGAGCAATC  
ATTTCCATGTGTTTGTGGTGACCTCAGTCCAGAAATCACAACCGAAGACATCAAAGCAGGTTTTGCACC  
ATTTGGAAGAATTCAGATGCCCGTGTGGTAAAAGACATGGCTACCGGAAGTCTAAGGGATATGGCTTT  
GTCTCCTTTTTCAACAAATGGGATGCAGAAAATGCCATTCAGCAGATGGGTGGCCAGTGGCTTGGTGGAA  
GACAAATCAGAACTAACTGGCAACCCGAAAGCCTCCAGCTCCAAAGAGTACATATGAGTCGAACACCAA  
ACAGCTGTCATATGATGAGGTTGTGAGTCAGTCTAGTCCCAACTGCACTGTGTACTGTGGAGGGGTG  
ACGTCAGGACTGACAGAACAACTAATGCGTCAGACTTTTTCTCCATTTGGACAAATAATGGAATTCGAG  
TCTTCCCAGATAAAGGATACTCATTGTTCGTGAGCCAGTCTTCTGCACCGTGGATGGGACCAATTA  
CAGTGTGCCACCCTCAAGGGCAGAATGGCAGCATGTTGCTAGTCAGCCTGCTGGGTATCGAGTGGCC  
GGGTATGAAACCCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222480 representing NM\_001164079  
 Red=Cloning site Green=Tags(s)

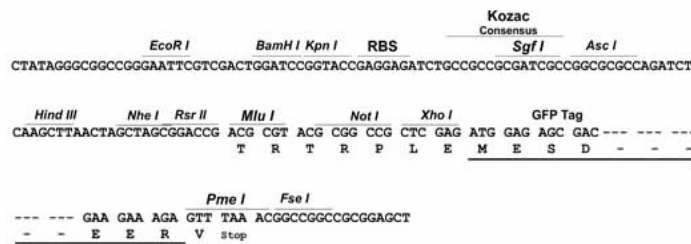
MEDEMPKTL YVGNLSRDVTEALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEHRHAAAALAAMNGRK  
 IMGKEVKVNWATTPSSQKKDTSNHFHVFGDLSPEITTEDIKAAPFGRISDARVVKDMATGKSKGYGF  
 VSFFNKWDAENAIQQMGQWLGGRRQIRTNWATRPPAPKSTYESNTKQLSYDEVVSQSSPNNCTVYCGGV  
 TSLGLEQLMRQTFSPFGQIMEIRVFPDKGYSFVRQTSAPWMPGNYSVPPPQGGQNGSMLPSQPAGYRVA  
 GYETQ

TRTRPLE - GFP Tag - V

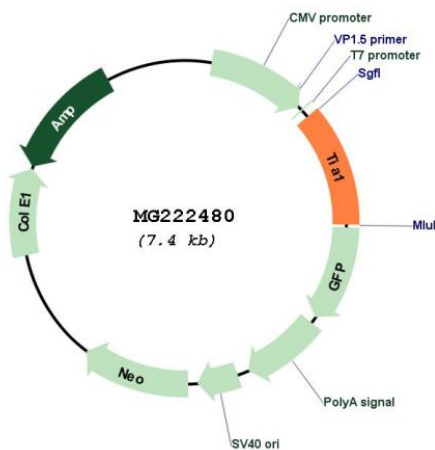
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_001164079

ORF Size: 855 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164079.1</a> , <a href="#">NP_001157551.1</a>
<b>RefSeq Size:</b>	4174 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	21841
<b>Cytogenetics:</b>	6 D1
<b>Gene Summary:</b>	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]