

Product datasheet for **MG222314**

Tiam1 (NM_001145887) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tiam1 (NM_001145887) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tiam1
Synonyms:	AI847750; D16lum10; D16lum10e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222314 representing NM_001145887
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTCGCTGTGGAAGATCAAGCGCAAGCCAGGGTCGAGAGCGACAGGGCTGGCGACTCTCTTACC
 GCACACTTCACCTGAGCACAGAACAGGTTGCAGCGTTTTGCCGGAGTCTGCACGAGATGAGCCCCTCTGA
 CTAAGCCCGTCCCTCAGGATGCCACAAGCCCTCAGCTGGCAACCACACGACAGCTGTCGGATGCGGAT
 AAGCTGCGCAAGGTGATCTGTGAAGTCTGGAGACTGAACGCACCTATGTGAAAGACTTAAACTGCCTCA
 TGGAGAGATACCTGAAGCCCTCAGAAGGAGACCTTTCTCACCCAGGATGAGCTTGATGTACTTTTTGG
 AAATTTAACCGAAATGGTGGAGTTTCAAGTCGAGTTTCTTAAGACTCTAGAAGATGGAGTAAAGACTGGTC
 CCTGACTTGGAAAAGCTGGAGAAGTTGACCAGTTCAAGAAAGTGTCTTCTCTCTGGGGGGATCCTTCC
 TGTACTACGGACCGCTTCAAGCTCTACAGTGCCTTCTGTGCGAGCCACACAAAAGTCCCAAGGTCT
 GGTGAAAGCCAAGACGGACACAGCCTTCAAGCGTTTCTCGATGCCAGAACCCGAGGCAGCAGCACTCA
 TCACCGCTGGAGTCTTACCTCATCAAGCCATCCAGAGGGTCTCAAGTACCCGCTTCTGCTCAGGGAGC
 TGTTTGGCTGACCGATGCGGAGAGCGAGGAACACTACCACCTGGACGTGGCCATCAAGACTATGAACAA
 GGTGCGCAGTCACATCAATGAGATGCAGAAGATCCACGAAGAGTTTGGTGTGTGTTGACCAGCTGATT
 GCTGAGCAGACGGGAGAGAAGAAAGAGTTGCAGATCTGAGCATGGGTGACCTGCTTGCACACCAGCG
 TCATCTGGCTGAACCCACCCGCTCACTGGGAAAGTGGAAAAGGAGCCAGAATTAGCAGCCTTCGTCTT
 CAAAACGGCCGTGGTCTTGTATATAAAGACGGTTCCAAGCAGAAGAAGAACTTGTGGCTCTCACAGG
 CTGTCAATCTACGAGGAGTGGGACCTTCCGGTTTCGCCACATGATCCCTACCGAAGCTTTCAGGTC
 GAGCTCTGCCAGTGCAGATGCAGAGGCAAATGCGGTATGCGAAATGTCCACGTGAAATCAGAGTCAGA
 AGGGAGGCCCGAGCGGGTTTTCCACCTGCTGTCAGTTCCCGAGAGAGCAGAAAGGACTTTCTGAAGTCT
 GTGCATTCGATCTGCGAGATAAACACAGAAGACAGCTCCTCAAAAACGGAAGCCTTCCGTCAGCCAGC
 AGTATGTCCCCTTTGGAGGCAAGAGATTGTGTGCGCTTAAAGGCGCCAGGCCGGCCATGAGCAGGGCAGT
 GTCTGCCCAAGCAAGTCTTTGGGAGGAGGAGCGGCGACTGGCCGAAACAGGTTTACCATCGATTCA
 GACGCCATCTCAGCCAGCAGCCCGAGAAAGAGCCCGAGCAGCCCGCGGTGGTGGGACACTGACCGAT
 GGGTAGAGGAACAGTTCGATCTTGTCTCAGTACGAGGAGCAGGATGACATCAAGGAGACAGACATCCTCAG
 TGACGATGACGAATTCTGTGAGTCCCTGAAGGGCGCTCAGTGGACAGAGACCTCAGGAGCAGCTTTCAG
 GCTGCCTCCATCAGTACGCGGGCCGAGGCCGAGAACCTCGATAGCCACGCCTCCCGCATGACACAGC
 TCAAGAAGCAAGCGCCCTCTCGGCATCAACGGGGCCTGGAGAGTGCAGCGAGGAAGTCATTTGGGT
 CAGGCGGAAGACTTTGCCCCCTCCAGGAACTGAACACGGAGATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG222314 representing NM_001145887
 Red=Cloning site Green=Tags(s)

MSSLWKIKRKRPRVESDRAGDSLVRTLHLSTEQVAAFCRSLHEMSPSDSSPSQDATSPQLATTRQLSDAD
 KLRKVICELLETERTYVKDLNCLMERYLKPLQKETFLTQDELDFLGNLTEMVEFQVEFLKTLLEDGVRLV
 PDLEKLEKVDQFKKVLFSLGGSFLLYADRFKLYSAFCASHTKVPKLVKAKTDTAFKAFLDAQNPRQHS
 STLESYLKPIQKRVLYPLLLREL FAL TDAESEHYHLDVAIKTMNKVASHINEMQKIHEEFGAVFDQLI
 AEQTGEKKEVADLSMGDLLLHTSVIWLNPPASLKGWKEPELAAFVFKTAVVLVYKDGSKQKKLVGSHR
 LSIYEEWDPFRFRHMIPTALQVRALPSADAEANAVCEIVHVKSESEGRPERVFHLCSSPESRKDFLKS
 VHSILRDKHRRQLLKTESLPSAQYVFPFGKRLCALKGARPAMSRVAVSAPSKSLGRRRRRLARNRFTIDS
 DAISASSPEKEPQQPAGGGDTRWVEEQFDLAQYEEQDDIKETDILSDDDEFCELSLKASVDRDLQEQQLQ
 AASISQRARGRRTLDSHASRMTLQKKQAALSGINGGLESASEEVIVWRREDFAPSRKLNTEI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001145887

ORF Size: 1866 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_001145887.1](#), [NP_001139359.1](#)

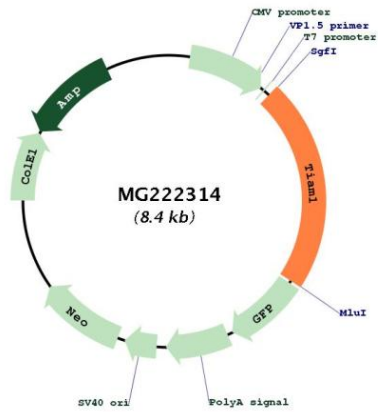
RefSeq Size: 4210 bp

RefSeq ORF: 1869 bp

Locus ID: 21844

Cytogenetics: 16 51.5 cM

Product images:



Circular map for MG222314