

Product datasheet for MR22254

Tiam1 (NM_009384) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tiam1 (NM_009384) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tiam1
Synonyms: AI847750; D16lum10; D16lum10e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR22254 representing NM_009384
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAAACGCAGAAAGCCAAAATGTAGACCACGAGTTTTATGGAGAAAAGCATGCCAGCCTGGGGCGGA
AGCACACTTCACGCTCCCTGCGGCTGTACACAAGACCCGGAGGACACGGCATGCTTCCTCCGGGAAGGC
GATCCACAGGAAGCTCTGAAGTGAGCACCCGGTCCAGCAGCACGCCAGCATCCCCAGTCCCTGGCTGAA
AATGGCCTGGAGCCCTTCTCCAAGAAGGCGCCCTAGACGACTTCGGGGACCCCATCTGGGTGGACCGAG
TAGATATGGGCTTGAGACCCGTATCTTACACCGATTCTCCGTCCTCCAGCGTAGATGGCAGCATCGT
CCTCACTGCAGCCTCTGTGCAGAGCATGCCAGACTCAGAGGAGAGCCGGCTTTACGGGGATGACGCTACG
TACTTGGCTGAGGGAGGCAGGAGGCAGTGTCCCTATACATCCAATGGGCCACATTCATGGAGACAGCGA
GCTTTAAGAAGAAGCGCTCCAAATCTGCAGACATCTGGCGGGAGGACAGCCTGGAATTCTCACTCTCAGA
TCTGAGCCAAGAACATTTAACAAGCAACGAAGAAATCTTGGTTCCGCGGAAGAGAAGGATTGCGAGGAG
GCTCGGGGATGGAACAGAGGCGAGTCCCGGCAGCTCAGCACCTGTGAGCGAGCAACTCCCTGGGTG
ACTTGTATGCTCAGAAAACCTGGGGTAAGGCTAATGGAGGACCGAGGAACAGATTCTCAAGTACTG
CCGGAATTTGGTGTGGATATTCGCGATCTTGCAAGCATAAGATGCCACCGGCTGCTGCCGAAGAGACT
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CACAAATTAGCCTTAGCAAGAGCATGCAAGGCAGAAAGAGCAAAAACCACCCAGGATGTTAACACAGGCGA
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AATGCCACCAACTCAAGTACTCGCCCCCACAGGCCGAGCCTTTGTGGGAGCGACAGCGGCAGCAGTT
CAACAGGGGATGCTGCGGCCAGGGGTGTACGAGAACTTCAGGCGGAACTGGAGATGAGTACCACCA
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TCTTCTGCCTCAGCAACTCCCTGGGTGACGCCTTCTCTTCCAGACCACGAGCCAGACAGAGCTGGAGAA
 CTGGATCACCGCCATCCACTCTGCCTGCGCAGCTGCCGTGCGAAGGCCACCACCACAAGGAGGACACGCTC
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 GGGAGATGCAGCTGTCTCCGTCAACGACTCGAAGAAGAAGAAGACCATCTAGACCAGATCTTCGTTTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222254 representing NM_009384
 Red=Cloning site Green=Tags(s)

MGNAESQNVDHEFYGEKHASLGRKHTSRSLRSLSHKTRRTRHASSGKAIHRNSEVSTRSSSTPSIPQSLAE
 NGLPEFSQEGALDDFGDPIWVDRVDMGLRPVSYTDSSVTPSVVDGSI VLTAAASVQSMPSDSEESRLYGD
 DTLAEGGRRQCPYTSNGPTFMETASFKKRKSADIWREDSLEFSLSDLSQEHLTSNEEILGSAEEKDCEE
 ARGMETEASPRQLSTCQRANSLGDLYAQKNSGVKANGGPRNRFSSYCRNLVSDIPDLAKHKMPAAAEET
 PPYSNYNTLPCRKSHCLSEGATNPQISLSKSMQGRRAKTQDVNTGEGSEFADSGIEGATTDLLSRSS
 NATNSSYSPTGRAFGVSDSGSSSTGDAARQGVYENFRRELEMSTTNSELEEAGSAHSDEQSSGTLSSP
 GQSDILLTAAQGTVRKAGALAVKNFLVHKKNKVE SATRRKWKHYWVSLKGC TLFYETDGRSGIDHNSV
 PKHAVVWENSIVQAVPEHPKDFVFCLSNLGD AFLFQTTSQTELENWITAIHSACAAVARHHKEDTL
 RLLKSEIKKLEQKIDMDEKMKMGEMQLSSVTDSK KKTILDQIFVWEQNL EQFQMDLFRFCYLASLQG
 GELPNPKRLLAFASRPTKVAMGRLGIFSVSSFHALVAARTGEIGVRRRTQAMSRASAKRRSRFSSLWGLD
 TTSKKKQGRPTINQVFGEGTDAVKRSLEGIFDDTVPD GKREKEVVLPSVHQHNPDCDIWVHEYF T P S W F C
 LPNNQPALTVVRPGDTARDTLELICKTHQLDHS AHYLRKFLMENRVQFYIPQPEEDIYELLYKEIEICP
 KVTQNIHIEKSDAAADNYGFLSSVDEDEGIRRLYVNSVKETGLASKKGLKAGDEILEINNRAAGTLNSSM
 LKDFLSQPSLGLLVRTYPEPEGVLEENPPHRVDGPVDL GESPLAFLTSNPGHLSSEQSSAETAPEE
 GEGPDLESSEDET D H S S K S T E Q V A A F C R S L H E M S P S D S S P Q D A T S P Q L A T T R Q L S D A D K L R K V I C E L L E
 TERTYVKDLNCLMERYLKPLQKETFLTQDELDVLFGNL TEMVEFQVEFLKTLEDGVRLVPDLEKLEKVDQ
 FKKVLFSLGGSFLLYADRFLYSAF CASHTKVPKVLVKAKTDTAFKAF L D A Q N P R Q Q H S S T L E S Y L I K P I
 QRVLYKPYLLLRELFAL T D A E S E E H Y H L D V A I K T M N K V A S H I N E M Q K I H E E F G A V F D Q L I A E Q T G E K K E V A
 DL S M G D L L L H T S V I W L N P P A S L G K W K E P E L A A F V F K T A V V L V Y K D G S K Q K K K L V G S H R L S I Y E E W D P F R
 FRHMIPTALQVRALPSADAEANAVCEI V H V K S E S E G R P E R V F H L C C S S P E S R K D F L K S V H S I L R D K H R R
 QLLKTESLPSAQYVYVFGGKRLCALKGARPA MSRAVSAPSKSLGRRRRRLARNRFTIDSDAISASSPEKE
 PQQPAGGGDTRWVEEQFDLAQYEEQDDIKETDILSDDDFCESLKGASVDRDLQEQLQAASISQRARGR
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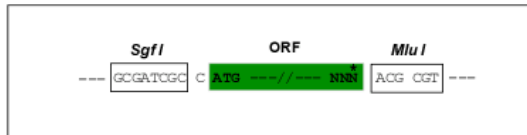
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

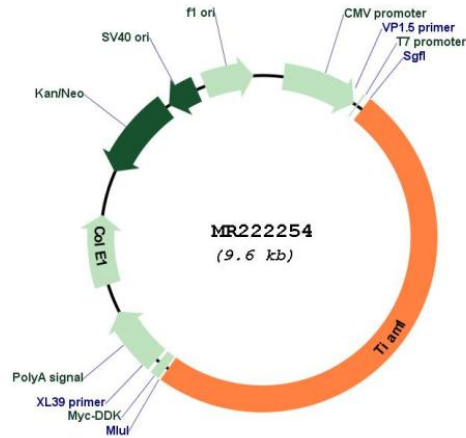
Sgfi-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_009384

ORF Size: 4773 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_009384.3](#), [NP_033410.2](#)

RefSeq Size: 7312 bp
RefSeq ORF: 4776 bp
Locus ID: 21844
Cytogenetics: 16 51.5 cM
MW: 177.9 kDa