

Product datasheet for **RN217661**

Tiam1 (NM_001100558) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tiam1 (NM_001100558) Rat Untagged Clone
Tag: Tag Free
Symbol: Tiam1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217661 representing NM_001100558
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAACGCAGAAAGCCAAAATGTAGACCACGAGTTTTATGGAGAAAAGCATGCCAGCCTGGGGCGGA
AGCACACATCACGCTCCCTGCGACTGTCACACAAGACCCGGAGGACGCGGCATGCTTCTCTGGGAAGGC
AATCCACAGGAACCTGAAGTGAGCAGCGGGTCCAGCAGCACCCCTAGCATCCCCAGTCCCTGGCCGAA
AATGGCTTGGAGCCCTTTCCCAAGAAGGCGCCCTAGACGACTTCGGGGACCCCATCTGGGTGGACCGAG
TGGATATGGGCTTGGACCCGTGTCTTACACGGATTCTTCTGTCACCTCCAGCGTAGACGGCAGCATCGT
CCTCACGGCAGCCTCTGTGCAGAGCATGCCAGACTCGGAGGAGAGCCGGCTTTACGGGGATGACGCTGCG
TACTTGGCTGAGGGAGGCAGGAGGCAGCGTCCCTATACATCCAACGGGCCACGTTTCATGGAGACAGCGA
GCTTTAAGAAGAAACGCTCTAAATCTGCAGACATCTGGCGGGAGGACAGCCTGGAGTTCTCACTCTCAGA
TCTGAGCCAAGAACATTTAACAAGCAACGAAGAAATCTTGGGCTCCGCGGAAGAGAAGGATTGCGAGGAG
GCTCGGGGATGGAAACAGGGGCGAGCCCCGGCAGCTCAGCACCTGTCAGCGAGCCAACCTCCCTGGGTG
ACTTGTATGCTCAGAAGAACTCCGGGTGAAGGCTAACGGAGGACCGAGAAACAGATTTTCGAGCTACTG
CCGGAATTTGGTGTCCGATATCCCGATCTTGCAAAGCATAAGATGCCACCGGCTGCTGTAGAGACTCCG
ACGTACAGTAATTATAACACGCTTCCCTGTAGGAAGTCGCACTGTCTTCCGAGGGTGCCACCAACCCAC
AAATTAGCCTTAGCAAGAGCATGCAAGGCAGAAGAGCGAAAACCACCCAGGATGTTAACACAGGCGAGGG
CAGTGAGTTTGCAGACAGTGGGATCGAAGGGGCCACCACGGACACGGACCTCCTGTCCAGGAGATCCAAT
GCCACCAACTCCAGCTACTCGCTCCCACAGGCCGAGCCTTTGTGGGCAGCGACAGCGGCAGCAGTTTCA
CTGGGGATGCTGCACGCCAGGGGTGTACGAGAAGTTCAGGCGGGAAGTGGAGATGAGCACCACCAACAG
CGAGAGCCTGGAGAGGCTGGCTCTGCGCACAGCGACGAGCAGAGCAGCGGAACCCCTCAGTCCCCGGGC
CAGTCGGACATCCTGCTGACGGCTGCGCAGGGCACTGTGCGGAGGCTGGCGCGTGGCAGTCAAGAAGT
TCCCTGGTACATAAGAAGAATAAGAAGGTGGAGTCGGCTACCCGGAGGAAGTGAAGCACTACTGGGTGTC
CCTGAAAGGTTGCACGCTCTTTTCTACAGAGTGATGGCAGGTCTGGGATAGACCACAACAGTGTCCCC
AAGCATGCTGTCTGGGTGGAGAACAGCATCGTGCAGGCCGTACCTGAGCACCCCAAGAAAGATTTGTCT
TCTGCCTCAGCAACTCCCTGGGCGATGCCTTCTTCCAGACCACCAGCCAGACAGAGCTGGAGAAGTGC
GATCACGGCCATCCACTCTGCCTGCGCAGCTGCGGTGCGCAAGGCACCACCACAAGGAAGACAGCTCCGC



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CTCCTCAAGTCGGAAATCAAGAAGCTGGAGCAAAAGATTGACATGGACGAGAAAATGAAGAAGATGGGCG
 AGATGCAGCTGTCTCCGTACGGACGCGAAGAAGAAGACCATACTTGACCAGATCTTCGTTTGGGA
 GCAGAACCTCGAACAGTTCAGATGGACCTTTCCGGTTCGCTGTTACCTTGCCAGCCTCCAGGGCGGG
 GAGCTGCCAAACCCAAACGACTCCTAGGTTTTGCCAGCCGGCCACCAAGGTGGCCATGGGCCGCTTG
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 TACTCAGGCTATGTCCAGTCTGCGAGCAAGCGGAGGAGCAGGTTTTCTCTCTGCGGCTAGACACT
 ACCTCAAAAAGAAGCAGGGGCGCCCAACCATCAACCAGGTGTTGGAGAGGGGACCGATGCTGTAAAGA
 GATCTTTAGAGGGAATATTTGATGACTCTGTTCCAGACGGCAAGAGGGAGAAGGAAGTGGTCTTACCCAG
 TGTCACCAGCACAATCCTGACTGTGACATTTGGGTCCATGAATATTTCACTCCATCCTGGTTCTGTCTA
 CCCAATAATCAGCCAGCCTTGACGGTGTCCGGCCGGGGGACACTGCGAGGGACACCTTGAGACTATT
 GCAAGGCGCACCACCTGGATCATTCTGCCATTACCTGCGCTGAAATTTCTGATGGAGAACAAGATGCA
 GTTCTATGTCCCACAACCCGAGGAGGACATTTACGAGCTGCTTTACAAAGAAATCGAAATCTGTCCGAAA
 GTCACCCAGAACATCCACATTGAGAAGTCCGACGCGGCCCGGATAATTACGGGTTTTGCTTTCTCTG
 TGGACGAAGATGGCGTTCGAAGGCTCTACGTGAACAGCGTCAAGGAAACCGGGCTAGCTTCAAGAAAGG
 CCTGAAGCGGGGACGAGATTCTCAGATCAATAACCGTGCCGCTGGTACCCTGAACTCATCTATGCTC
 AAAGATTTCTCTCACAGCCCTCTGCGCCTCCTGGTGAAGACCTACCTGAGCCAGAGGGAGGAGTGG
 AGCTGCTAGAGAACCACCCACCGAGTGGACGGCCCTGTGGACCTTGCGAGAGCCCCCTCACCTTCT
 CACCAGCAACCCAGGGCAGACCTCTCCAGCGAGCAGGGCAGCAGTGTGAGACAGCTCCGGAAGAGGGC
 GAAGGACCGGACTTGAGTCTTCCGATGAGACAGATCACAGCAGCAAGAGCACAGAACAGGTCACAGCGT
 TTTGCCGAGTCTGCACGAGATGAGCCCTCTGACTCGAGCCCGTCCCCTCAGGATGCCACGAGCCCTCA
 GCTGGCAACCACGACAGCTATCGGACGCAGATAAATGCGCAAGGTGATCTGTGAGCTCTAGAGACC
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 TTCTCACCCAGGATGAGCTCGATGACTCTTTGGAAATTAACCGAAATGGTGGAGTTTCAAGTTGAGTT
 CCTTAAAACTCTAGAAGATGGAGTTAGACTGGTCCCTGACTTGGAAAAGCTTGAGAAGGTTGACCAAGTTT
 AAGAAAGTGCTGTTCTCTCTGGGGGATCCTTCTGTAACGCGGACCGCTTCAAGCTCTACAGTGCCT
 TCTGTGCGAGCCATACGAAAGTCCCAAGGTCCTGGTGAAGGCAAGACGGACACAGCCTTCAAGGCATT
 CCTAGATGCCAGAACCCGAGGCAGCAGACTCGTCCACACTAGAGTCTTACCTCATCAAGCCATCCAG
 AGGGTCTCAAGTACCGCTTCTGCTCAGGGAGCTGTTTGGCGTGACCGACGCGGAGAGTGGAGGAGCATT
 ACCACCTGGATGTGGCCATCAAGACTATGAACAAGGTTGCCAGTCACATCAATGAGATGCAGAAGATCCA
 CGAAGAATTTGGTGTGTTCGACCAGCTGATTGCTGAGCAGACAGGAGAGAAGAAGAGGTCGCGGAT
 CTGAGCATGGGTGACCTGCTGTTGCACACCAGTGTCTGGCTGAACCCACCCGCTCGCTGGGAAAGT
 GGAAAAAGGAGCCGAACTGGCAGCCTTCTGCTTCAAACTGCCGTGGTCTTGTATATAAAGATGGTTC
 CAAGCAGAAGAAGAAGCTCGTTGGCTCTCACAGGCTGTCAATCTACGAGGAGTGGGACCCCTTCCGGTTT
 CGCCACATGATCCCTACCGAAGCTTTGCAAGTCCGAGCTCTGCCAGTGCAGATGCAGAGGCAAAATGCCG
 TGTGTGAAATGTCCACGTGAAATCAGAGTCAGAGGGGAGGCCGGAGCGGGTTTTCCACCTCTGCTGCAG
 CTCCCCGGAGAGCCGAAAGGATTTCTGAAGTCTGTACACTCCATCCTGCGAGATAAGCACAAGAAGGCG
 CTCCTCAAACCGAAAGTCTTCCCTCAGCCAGCAGTATGTCCTTTTGGAGGCAAGAGATTGTGTGCGC
 TTAAGGGCCAGGCCAGCCATGAGCAGGGCAGTGTCTGCCCAAGCAAGTCTTGGGAGGAGGAGGCC
 GCGACTGGCCCGAAACAGGTTTACCATTGATTCAGACGCCATCTCAGCCAGCAGCCGGAGAAAGAGGCC
 CAGCAGCCCCCGTGGCGGGGACACTGACCGATGGGTAGAGGAACAGTTTGTCTTCTGATGATGAGG
 AGCAGGATGACATCAAGGAGACAGACATCCTCAGTACGATGATGAATCTGTGAGTCTGCGAAGGGCGC
 CTCAGTGGACATAGACCTGCAGGAGCAGCTTCAAGGCTGCCTATCAGTACGCGCCCGAGGCCGAAAA
 ACCCTTGTAGCCACGCCTCCCGCATGACACAGCTCAAGAAGCAAGCGGCCCTTTCCGGCATCAACGGAG
 GCCTGGAGAGTGCAGGAGGAGGTCATTTGGTTAGGCGGAAGACTTTGCCCTCCAGGAACTGAA
 CACAGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001100558

Insert Size:	4773 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001100558.1</u> , <u>NP_001094028.1</u>
RefSeq Size:	7036 bp
RefSeq ORF:	4773 bp
Locus ID:	304109
Cytogenetics:	11q11