

Product datasheet for **SC217254**

TIAM1 (NM_003253) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TIAM1 (NM_003253) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TIAM1
Synonyms:	TIAM-1
ACCN:	NM_003253
Insert Size:	1980 bp



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Insert Sequence: >SC217254 3'UTR clone of NM_003253
The sequence shown below is from the reference sequence of NM_003253. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCTCCAGGAACTGAACACTGAGATCTGACTGCGTCACCTGCCCGTAGAGAATGTGTGTAGATACTT
CCTGCCCTAACTCTGCCACCCTCTGTACCGTCGACAAGAATGTCCCTTAGGTCGCGCTCTTGACACA
CACGGTTTTGGCAGCTGACTTGGTTCTGAAGCCATGTAGCCACCAACTTTGTCATTTTCAACAACATC
AGAAAGAATTGATCAGAAATCCCAAATAAGCTTGAGTCCTATCTTCTGTATATTACTAAGGCTTTTATT
TATTCTCAATAAATCAGGGCCTGAACAATTAAGGAAAGAAAGATTCTATAGCACTGGAAAGCAAATCAC
CCCAGGAGTTAACGGATGTACAACAGATTAATTTAAGGGATAGTAGCACACACACGATCCTTCTATCTG
AAATCAGTCTCCTAGCTGGGAAACCTTTTACACACAAAATGAAATGTGTACAGCTTGCCGTGTTCT
GACTGTACCCTTCCCTCTCCATGTCTGAGAATCTCCGTGATTTTAAAGAATGTGTGAGGAGAGGGTGG
CGATTCATGTTTTCAATGAGCCTCTTTTTTTTTTCTTCTGTTTTGGTCTATGGCTGGTCTTACTCTG
TGTCATGTTTCGGAAGCTCTAGTTTTGCATAGAATTATAGAGATGCCAAACTCTTTGAAAAGAGATCCA
AATTTATCGCTTGAGAGAAAAGAAAAGAAACACTATTTTTTGATTTTTACCTGAGATACAGGGGCACAAA
TAGATGAGAAATTTACAGTGTTAGTGTATGTATCCCTGAGCCTAAAAATGAGGATATAACCTTTTACA
GAGAGAGTGAGGCGTGGTGGTTTTATTTATATATGAAAGGCCAGCAAGCTCATGCGAAGGATATACT
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TTAAACATGACACCCCGTGGCGGTGTGTGTCTGTGTCACATGGCAGGGAGGGGAGCCTCCTTCTC
ATGGGGTTGCCATGGTGATCATTGGTTTTTCCATCAAAATGCATCTTCCATAGATTACCTTCCCC
TTCCCTGACAGTCCATAACCAAACCTTTAAACAGAACAACCTCTTTAAAAACTTCTTGTGTTTTACA
CTTTCTCATGCCAACGAAACAGGGTAAACATGCTCAAAACATTAACAGTCTAAACAGATATCCAAATA
CTAAGAAGAAAACAAGTTATAGCACTTCAATTTTTTTTTTTTTTTTTTAAAAAAGGTTTATAGCTTTT
TCTTTTCCCATGTCACAATGTCCACTTCTAAGAAGGGTTTAAAAACTATGAAAACCTTCTTTTGGG
GAAAATATCTATTTGGTGTGTTGACACATCAGTAGGTACTTTAAAGACCTGAATTTTATAGTAGCTTTAG
GAGTTATATTTTAAAAATCAGTTATGACTTTATATTTCCAGACAATAGAGAGTTCAGTACATCATGC
TCTTGTGCTCTGCTGCTTTTCTGCGTTCCACCCTGTATTCCCCCGCCTTTCGGGTTCCAGGGC
TTCGAGCTTGATCTTTGAAAGTTTATTTCTATTAATTTTTGCTATATCTTCTGGTTTTCTGAAAAG
CTTTAGAAATGGTTTCTATACCCTTTGTACTGCAATTTTCCATATCATCTCCGTTTCGATCGCGTCC
AGATGGAACCGAAGCAGAGGGTCTAATCGTCGCATTTACTGGCTCCAGTGCAACACATCCATCTGA
AAACACTCGGAAGTCTGGTGTGTTGGAGAGGGTGCCATTGTCTTGTACATAAGGTCATGACGTGTCTA
TGTCAAAAGTTCTTATATATTTCTTTTATAAGCTGAAAGAAGGTCTATTTTATGTTTTTAGGTCTATG
AATGGAACGTTGTAATGCTTGTCAAACAATAAAAAAACGAAAAGTG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_003253.3](#)

Summary:

This gene encodes a RAC1-specific guanine nucleotide exchange factor (GEF). GEFs mediate the exchange of guanosine diphosphate (GDP) for guanosine triphosphate (GTP). The binding of GTP induces a conformational change in RAC1 that allows downstream effectors to bind and transduce a signal. This gene thus regulates RAC1 signaling pathways that affect cell shape, migration, adhesion, growth, survival, and polarity, as well as influencing actin cytoskeletal formation, endocytosis, and membrane trafficking. This gene thus plays an important role in cell invasion, metastasis, and carcinogenesis. In addition to RAC1, the encoded protein activates additional Rho-like GTPases such as CDC42, RAC2, RAC3 and RHOA. This gene encodes multiple protein isoforms that experience a diverse array of intramolecular, protein-protein, and phosphorylation interactions as well as phosphoinositide binding. Both the longer and shorter isoforms have C-terminal Dbl homology (DH) and pleckstrin homology (PH) domains while only the longer isoforms of this gene have the N-terminal myristoylation site and the downstream N-terminal PH domain, ras-binding domain (RBD), and PSD-95/DlgA/ZO-1 (PDZ) domain. [provided by RefSeq, Jul 2017]

Locus ID:

7074

MW:

76.7