

Product datasheet for **SC301537**

TIAM2 (NM_001010927) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIAM2 (NM_001010927) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIAM2
Synonyms:	STEF; TIAM-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

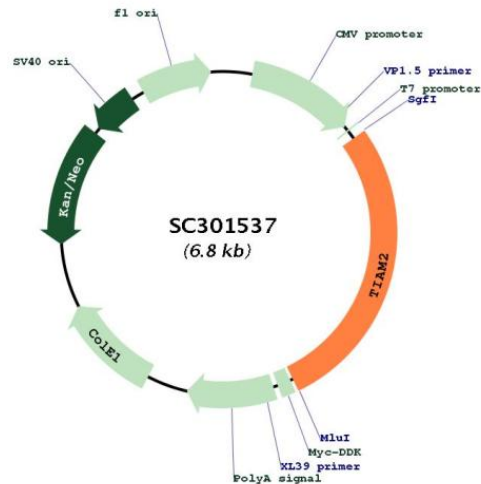


[View online »](#)

Fully Sequenced ORF: >SC301537 representing NM_001010927.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAAGGACCGCGGGAGAATCAGGATCCTCCTCCGAGGCCTCTGGCCCGCCACCTGTCTGATGCAGAC
CGCCTCCGCCAAAGTCATCCAGGAGCTTGTGGACACAGAGAAGTCTACGTGAAGGATTTGAGCTGCCTC
TTTGAATTATACTTGGAGCCACTTCAGAATGAGACCTTTCTTACCCAAGATGAGATGGAGTCACTTTTT
GGAAGTTTGCCAGAGATGCTTGAGTTTTCAGAAGGTGTTTCTGGAGACCCTGGAGGATGGGATTTAGCA
TCATCTGACTTTAACACCCTAGAAAACCCCTCACAGTTTAAAAATTACTGTTTTCCCTTGAGGGCTCT
TTCCTTTATTACGCGGACCCTTAAACTGTACAGTGGATTCTGTGCTAACCATATCAAAGTACAGAAG
GTTCTGGAGCGAGCTAAAAGTACAAAAGCCTTCAAGGCTTTTCTGGACGCCCGAAACCCACCAAGCAG
CATTCTCCACGCTGGAGTCTACCTCATCAAGCCGTTTCCAGAGAGTGTCAAGTACCCGCTGCTGCTC
AAGGAGCTGGTGTCCCTGACGGACCAGGAGAGCGAGGAGCACTACCACCTGACGGAAGCACTAAAGGCA
ATGGAGAAAGTAGCGAGCCACATCAATGAGATGCAGAAGATCTATGAGGATTATGGGACCGTGTGTTGAC
CAGCTAGTAGCTGAGCAGAGCGGAACAGAGAAGGAGGTAAACAGAACTTTGATGGAGAGGCTTCTGATG
CACTCTACGGTTTCTGGTTGAATCCATTTCTGTCTCTAGGAAAAGCTAGAAAAGGACCTTGGAGTACA
GTATTTGTTTTAAGAGAGCCGTCATACTGGTTTATAAAGAAAAGTCAAAGTAAAAAGAAATGCCC
TCGAATCCCAGGCTGCACAACTCTACTGACTTGGACCCATTTAAATCCGCTGGTTGATCCCATC
TCCGCGCTTCAAGTCAGACTGGGAATCCAGCAGGGACAGAAAATAATCCATATGGGAAGTATCCAT
ACGAAGTCAGAAATAGAAGGACGGCCAGAAACCATCTTTCAGTTGTGTTGCAGTGACAGTGAAGCAAA
ACCAACATTGTTAAGGTGATTCGTTCTATTCTGAGGGAGAAGTTCAGGCGTCACATAAAGTGTGAATTA
CCACTGGAGAAAACGTGTAAGGATCGCCTGGTACCTTTAAGAACCAGATTCTGTTTTCGGCCAAATTA
GCTTCATCCAGGTCTTTAAAAGTCTGAAGAATTCCTCCAGCAACGAGTGGACCGGTGAGACTGGCAAG
GGAACCTTGCTGGACTCTGACGAGGGCAGCTTGAGCAGCGGCACCCAGAGCAGCGGCTGCCCCACGGCT
GAGGGCAGGCAGGACTCCAAGAGCACTTCTCCCGGAAAATACCCACACCCCGGCTTGGCAGATTTTGCC
GACAATCTCATCAAAGAGAGTGACATCCTGAGCGATGAAGATGATGACCACCGTCAGACTGTGAAGCAG
GGCAGCCCTACTAAAGACATCGAAATTCAGTTCAGAGACTGAGGATTTCCGAGGACCCAGACGTTTAC
CCCAGGCTGAGCAGCAGCCTGGCCCGGAGTCGGGTGAGGGTCAAGAAAGGAGGAGCAGCCAAACTG
GTCCGGGGCACTTCTGCCCATTAACGAAAAGCCAACAGCACCAAGAGGGACAGAGGAAGTCTGCTC
AAGGCGCAGATCCGTACCAGTCCCTTGACAGTCACTGAAAAATGCCACCATCGACCTAAATTCTGTT
CTAGAGCGAGAATTCAGTGTCCAGATTTAACATCTGTTGTCAGTGAGGAGTGTGTTTTATGAACAGAG
AGCCACGGAAAATCAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001010927

Insert Size: 1881 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001010927.2](#)

RefSeq Size: 2668 bp

RefSeq ORF: 1881 bp

Locus ID: 26230

UniProt ID: [Q8IVF5](#)

Cytogenetics:	6q25.2-q25.3
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway, Regulation of actin cytoskeleton
MW:	70.8 kDa
Gene Summary:	<p>This gene encodes a guanine nucleotide exchange factor. A highly similar mouse protein specifically activates ras-related C3 botulinum substrate 1, converting this Rho-like guanosine triphosphatase (GTPase) from a guanosine diphosphate-bound inactive state to a guanosine triphosphate-bound active state. The encoded protein may play a role in neural cell development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate 5' exon compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a.</p>