

Product datasheet for **SC109837**

TIAL1 (NM_003252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIAL1 (NM_003252) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIAL1
Synonyms:	TCBP; TIAR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109837 sequence for NM_003252 edited (data generated by NextGen Sequencing)

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ATGATGGAAGACGACGGGCAGCCCCGGACTCTATACGTAGGTAACCTTTCCAGAGATGTG
ACAGAAGTCCTTATACTTCAGTTGTTTCAGTCAGATTGGACCCTGTAAAAGCTGTAAAATG
ATAACAGAGCATACAAGCAATGACCCATATTGCTTTGTGGAATTTTATGAACACAGAGAT
GCAGCTGCTGCATTAGCTGCTATGAATGGGAGAAAAATTTGGGAAAGGAGGTCAAAGTA
AACTGGGCAACCACCAAGTAGCCAGAAAAAAGATACTTCCAATCACTTCCATGTGTTT
GTTGGGGATTTGAGTCCAGAAATTACAACAGAAGATATCAAATCAGCATTGCCCCCTTT
GGTAAAAATATCGGATGCCCGGTAGTTAAAGACATGGCAACTGGAAAAATCCAAAGGCTAT
GGTTTTGTATCTTTTTATAACAACTGGATGCAGAAAAATGCGATTGTGCATATGGGCGGT
CAGTGGTTGGGTGGTTCGTCAAATCCGAACCAATTGGGCCACTCGTAAACCACCTGCACCT
AAAAGTACACAAGAAAACAACACTAAGCAGTTGAGATTTGAAGATGTAGTAAACCAGTCA
AGTCCAAAAAATTGTA CTGTACTGTGGAGGAATTGCGTCTGGGTTAACAGATCAGCTT
ATGAGACAGACATTCTCACCATTTGGACAAATTATGGAATAAGAGTTTTCCAGAAAAAG
GGCTATTCATTTGTCAGATTTTCAACCCATGAAAGTGCAGCCCATGCCATTGTTTCGGTG
AACGGTACTACGATTGAAGGACATGTGGTTAAATGCTATTGGGGTAAAGAATCTCCTGAT
ATGACTAAAACTTCCAACAGTTGACTATAGTCAATGGGGCCAAATGGAGCCAAGTGTAT
GGAAACCCACAACAGTATGGACAGTATATGGCAAATGGGTGGCAAGTACCGCCTTATGGA
GTATACGGGCAACCATGGAATCAACAAGATTTGGAGTAGATCAATCACCTTCTGCTGCT
TGGATGGGTGGATTTGGTGCTCAGCCTCCCAAGGACAAGCTCCTCCCCCTGTAATACCT
CCTCCTAACCAAGCCGGATATGGTATGGCAAGTTACCAAACACAGTGA

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Clone variation with respect to NM_003252.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003252 unedited
 TTGCACACGAATATTTGTCAATACGCACTNCACTATGAGGNNGCGGCCGTAATTCGGC
 ACGAGGCCCTTGTCCCGGATACCTCCGTGCGCCCCACCTATGATGGAAGACGACGGCA
 GCCCCGGACTCTATACGTAGGTAACCTTTCCAGAGATGTGACAGAAGTCCTTATACTTCA
 GTTGCTCAGTCAGATTGGACCCTGTAAGCTGTAAGTGAACAACAGAGCATACAAGCAA
 TGACCCATATTGCTTTGTGGAATTTTATGAACACAGAGATGCAGCTGCTGCATTAGCTGC
 TATGAATGGGAGAAAAATTTGGGAAAGGAGTCAAAGTAACTGGCAACCACCAAG
 TAGCTCAGAAAAAGATACTTCCAATCACTTCCATGTGTTTGTGGGGATTTGAGTCCAG
 AAATTACAACAGAAAGATATCAAATCAGCATTGCCCCCTTTGGTAAAATATCGGATGCC
 GGGTAGTTAAAGACATGGCAACTGGAAAATCCAAAGGCTATGGTTTTGTATCTTTTTATA
 ACAAACCTGGATGCAGAAAATGCGATTGTGCATATGGGCGGTGAGTGGTTGGGTGGTCGTC
 AAATCCGAACCAATTGGGCCACTCGTAAACCACCTGCACCTAAAAGTACACAAGAGAACA
 ACTAAGCAGTTGAGATTTGAAGATGTAGTAAACAGTCAAGTCCAAAAAATTGACTG
 TGTACTGTGGAGACATGCGTCTGCGTTAACAGATCAGCTTATGAGACAGACATTCTCAC
 CATTTGGACAAAATATGGAATAAGAGTTTTTCCAGACAGGGCTATTCATTTGTCAGATTT
 CCACCTATGAAAGTGCAGCCATGCCATTGTTTTCGTGAACGGTACTACCCATTGAAGACA
 TGTGGTTAAATGCTATGGGGTACAGAACTTCTGAATGACTAAACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003252 unedited
 CCGCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTGGGCTTTATATGACTTC
 TATTTTAGTCTTTGTACATAAAGAAAAATCATGTTTCATATCCATCATGAACAAAACTT
 AAAAAGGCAGAAGTGAAGACACGTGTCCTTACCAAAGCAAATCTGTGCTAAAGGGTCC
 AAACATTTCAATTTTTAAAATAAATATTTTCATTTCCGATGTCTACTTTTCATGTCTTCA
 GAGTGTACAGGAAATCGAAGCCTATCATGAATACAATTTTTTTTTAAAGTCCCGGCTC
 ACTGTGTTTTGGTAACTTGCCATACCATATCCGGCTTGGTTAGGAGGAGGTATTACAGGGG
 GAGGAGCTTGTCTTGGGGAGGCTGAGCACAAATCCACCCATCCAAGCAGCAGAAGGTG
 ATTGATCTACTCCAAATCCTTGTGATTCCATGGTTGCCCGTATACTCCATAAGGCGGTA
 CTTGCCACCCATTTGCCATATACTGGCCATACTGTTGTGGGTTTTCCATACACTTGGCTCC
 ATTGGCCCCATTGACTATAGTCAACCTGTTGGAAGTTTTTAGTCATATCAAGAGATTCTT
 TACCCCAATAGCATTAAACCACATGTCGCTTCAATCGTAGTACCCTTACCCGAACCATG
 GCATGGGCGGCCCTTTTCATGGGTCGAAAACTGACAAATGAATAACCCCTTCTGGGAAA
 ACTCTTATCCATAATTTGTCCAAATGGTGAGAATGTCTGGCCATAAGCTGATCTGTGA
 ACCCAGACGCCATTCCCTCACAGTCCACCGTCAAATTTTTGGACTTGACTGGTTAACTA
 AATTTTCAATCCTAAACGCCTAAAGGTGGTTTCTCGGCACCTTNAGGCGCAGGGGGTAA
 CAAGTGCCCCATTGTTGGATTTTGAACACCCCATCCTGGCCCGCTATGCCAATCGTT
 TTT

Restriction Sites:

NotI-NotI

ACCN:

NM_003252

Insert Size:

1470 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).

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_003252.2](#), [NP_003243.1](#)

RefSeq Size: 1436 bp

RefSeq ORF: 1128 bp

Locus ID: 7073

UniProt ID: [Q01085](#)

Cytogenetics: 10q26.11

Domains: RRM, RRM_1

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is a member of a family of RNA-binding proteins, has three RNA recognition motifs (RRMs), and binds adenine and uridine-rich elements in mRNA and pre-mRNAs of a wide range of genes. It regulates various activities including translational control, splicing and apoptosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The different isoforms have been show to function differently with respect to post-transcriptional silencing. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes isoform (1).