

Product datasheet for **SC115971**

TBR1 (NM_006593) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBR1 (NM_006593) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBR1
Synonyms:	IDDAS; TBR-1; TES-56
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115971 sequence for NM_006593 edited (data generated by NextGen Sequencing)

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ATGCAGCTGGAGCACTGCCTTTCTCCTTCTATCATGCTCTCCAAGAAATTTCTCAATGTG
AGCAGCAGCTACCCACATTACAGGCGGATCCGAGCTTGTCTTGACGATCATCCCATTATC
TCGACCACTGACAACCTGGAGAGAAGTTACCTTTGAAAAAATTACCAGGGGATGACG
AATCAGTCAGATACAGACAATTTTCTGACTCCAAGGACTCACCAGGGGACGTCCAGAGA
AGTAAACTCTCTCCTGTCTTGACGGGTCTCTGAGCTTCGTACAGTTTCGATGGCTCT
GCTGCAGATCGCTACCTCCTCTCTCAGTCCAGCCAGCCACAGTCTGCGGCCACTGCTCCC
AGTGCCATGTTCCCGTACCCCGGCCAGCACGGACCGGCGCACCCCGCCTTCTCCATCGGC
AGCCCTAGCCGCTACATGGCCCAACACCGGTCTACCAACGGAGCCTACAACAGCCTC
CTGTCCAACCTCTCGCCGAGGGATACCCACGGCCGGCTACCCCTACCCACAGCAGTAC
GGCCACTCCTACCAAGGAGCTCCGTTCTACAGTTCTCTCCACCCAGCCGGGGTGGTG
CCCGGCAAAGCACAGGTGTACCTGTGCAACAGGCCCTTTGGCTGAAATTTACCCGGCAC
CAAACGGAGATGATCATACCAACAGGGAAGGCGCATGTTTCTTTTTTAAGTTTAAAC
ATTTCTGGTCTCGATCCACGGCTCATTACAATATTTTTGTGGATGTGATTTTGGCGGAT
CCCAATCACTGGAGGTTTCAAGGAGGCAAATGGGTTTCTTGCAGCAAAGCGGACCAAT
GTGCAAGGAAATCGGGTCTATATGCATCCGGATTCCCCCAACACTGGGGTCACTGGATG
CGCCAAGAAATCTCTTTTGGAAATTAACCTTACGAACAACAAAGGAGCTTCAAATAAC
AATGGGCAGATGGTGGTTTTACAGTCTTGACAAAGTACCAGCCCCGCCTGCATGTGGTG
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TTCCCTGAGACTCAGTTTCATCGCCGTACCGCCTACCAGAACACGGATATTACAACTG
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CCCGGGGCGCGCTACGCCATGGCCGGCTTTTCTGACGAGCAGTTTCGTGAGCAATAC
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GTGCTGCCCTGCTGGCCCAACAGCGCCGCGGCCGCGCGCATGGCCGGCGCCAATCCC
TACCTGGGCGAGGAGGCCGAGGGCTGGCCGCCGAGCGCTCGCCGCTGCCGCCGCGGCC
GCCGAGGACGCCAAGCCCAAGGACCTGTCCGATTCCAGCTGGATCGAGACGCCCTCCTCG
ATCAAGTCCATCGACTCCAGCGACTCGGGGATTTACGAGCAGGCCAAGCGGAGGCGGATC
TCGCCGGCCGACACGCCCGTGTCCGAGAGTTCTGTCGCCGCTCAAGAGCGAGGTGCTGGCC
CAGCGGGACTGCGAGAAGAACTGCGCCAAGGACATTAGCGGCTACTATGGCTTCTACTCG
CACAGCTAG

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Clone variation with respect to NM_006593.2

1610 g=>n;1611 c=>n;1612 t=>n;1613 a=>n;1614 c=>n;1615 t=>n;1616 a=>n;1617 c=>n;1618 g=>n;1619 c=>n

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006593 unedited
 ATTATATGGCGTGCCGCGNAATTCGCACGAGGTGCTTTCTGTCTAGTGAGGGGTCTGTG
 GCTTTCTAGTTTATGATAAATAGGACTTTAAAAACCAGGCCGGGAGGGCGAGTGTTACAGG
 TTCTAGAGCTATGCAGCTGGAGCACTGCCTTTCTCTTCTATCATGCTCTCCAAGAAATT
 TCTCAATGTGAGCAGCAGCTACCCACATTCAGGCGGATCCGAGCTTGTCTGCACGATCA
 TCCCATTATCTCGACCACTGACAACCTGGAGAGAAGTTACCTTTGAAAAAATTACCAG
 GGGGATGACGAATCAGTCAGATACAGACAATTTTCTGACTCCAAGGACTCACCAGGGGA
 CGTCCAGAGAAGTAAACTCTCTCTGTCTTGGACGGGGTCTCTGAGCTTCGTACAGTTT
 CGATGGCTCTGTGTCAGATCGCTACCTCTCTCTCAGTCCAGCCAGCCACAGTCTGCGGC
 CACTGCTCCCAGTGCCATGTTCCCGTACCCCGGCCAGCACGGACCGGCGCACCCCGCCTT
 CTCCATCGGCAGCCCTAGCCGCTACATGGCCACCACCGGTATCACCACGGAGCCTA
 CAACAGCCTTCTGTCCAACCTCTCGCCGAGGGATACCCACGGCCGGCTACCCCTACCC
 ACAGCAGTACGGCACTCTACCCAAGAGCTCCGTTCTACCAGTCTTCTCCACCCAACC
 CGGGCTGATGCTCCGAAAAGCACAGGTGTACCTGTGCCACAGCCCCCTTGGCCTGAAAT
 TCACCGCACCAACGGGGATGACATTACCAACCAGGGAAGCGCCTGTTTCCTTTTTAGAT
 TTAACATTTTTGCTCTGATCCCGGCTTATTACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006593 unedited
 GTTTTTTCCAGGTTTTTTTACTTGTATACACAGACGATACAAACGAGCAAAAACAAAAC
 GTTCTCAATGGAGTGTGTTCTGTATAAATTATTCAGTTCACAGACAAAACGAAACAAA
 TATAAAAATCACAACTTAGATTTACAGAAGAGCCAAAATATACACAGTTTAGACCTG
 AATTCTATTAGGAAAAATCCCCCATGGACTGGAATCTAGATTGAATATTGTGTATGAT
 GCATATTTACATTAAATTTTAAATACAAAAAAGTATAGGTTTGCTACACAACATTAGAA
 ATCCTACTAATCTATTTCCAGGGGGATTAATGCTCCTTATCAAATATAACAAGACTTAGG
 GGAAAATCAGTCTTACTTGCAATTAATGCTAGTGTCTCCAAGGAAGTCAAATTCAGCT
 GTTCTAGGTGGTGGGAAGTCATTTTCAAACTAAAAATGCAGTAAAAATACAACCTCAC
 ACAATTCATCTTCACTAGACTACACTATAGTTACCAACAATTCAGTCATCTATATCATT
 ATAGAGTATTCATTACAAAGATTACAGCATATAAAGGTGAAGGGGTACTGAAAGATATT
 CAGAAACAGTTTGTGAGCATATTTGGCACCTGCACAGACCAGTAATGGATTGGCACTTT
 GGGGAAAAACAAATAAGGCAAAATAATATTGCTGATGTGAGCTATTCTATNTAGAAGGT
 GGGGGGAACATACAACCTNCAAGTTGACTTTGCTNTGCAGGCATCATGCCACTTAATCGACT
 TGCTATGAACAGACACCTATCCTTTAAAGTGGTTGGGTGGGATCTNCTTAGCTATTTGT
 GTGCATTAGGGACATAGTANTATTTTCATGCACGGGATGAGGAGAGTGGGGAACCCATCC
 TACTGAGGATTNATGGTTCTAGAGCCTCTTAAATATTACTN

Restriction Sites:

NotI-NotI

ACCN:

NM_006593

Insert Size:

3730 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:	<u>NM_006593.2, NP_006584.1</u>
RefSeq Size:	3186 bp
RefSeq ORF:	2049 bp
Locus ID:	10716
UniProt ID:	<u>Q16650</u>
Cytogenetics:	2q24.2
Domains:	T-box
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene is a member of a conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of numerous developmental processes. In mouse, the ortholog of this gene is expressed in the cerebral cortex, hippocampus, amygdala and olfactory bulb and is thought to play an important role in neuronal migration and axonal projection. In mouse, the C-terminal region of this protein was found to be necessary and sufficient for association with the guanylate kinase domain of calcium/calmodulin-dependent serine protein kinase. [provided by RefSeq, Dec 2015]