

Product datasheet for **SC103337**

TBRG1 (NM_032811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TBRG1
Synonyms:	NIAM; TB-5
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032811, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCTGCTGGACGGCCTCGCTTCCTCGCCGCGGGCTCCGCTGCAGTCCAGCAAGGCCAGGATGAAAA
AGCTCCCGAAGAAGAGCCAGAATGAGAAGTACCGGCTGAAGTACCTGCGGCTGCGCAAAGCGCCAAGGC
CACGGTGTTTGAAAAATGCTGCTATTTGTGATGAAATTGCTCGTCTTGAGGAAAAATTTCTTAAAGCAAAA
GAAGAAAGAAGGTACTTGCTAAAGAAGCTCCTCCAGCTTCAGGCTCTAACTGAAGGGGAAGTACAGGCTG
CAGCTCCTTCCACAGTCCAGTTTGCCCTGACTTATGGTGTGGCCAGCTCTGTGGGAACATACAGGG
AGCTGGGCTATTTTCAGGGCCAGCACTGGGGCTGAGGAACATTTGGGAAGAAACTAAGAAGGAGAAA
AAAGAAAAAGGCAAGAGAAACAACAACTGGAAGTTCTGAAGAAAACATGCAAGAAAAAGAAAAATGGCGG
GAGGTGCTCGCAAGCTGGTTCAGCCATTGCCCTGGATCCCTCAGGACGGCCTGTGTTCCCATCGGACT
AGGGGGTCTAACAGTATATAGCCTGGGGGAGATCATCACCAGCCGACCTGGCTTTCATGATGAGAGTGCC
ATCTACCCCGTGGGCTATTGCAGTACTCGAATATATGCCAGCATGAAGTCCCAGACCAGAAAGTGTCTAT
ATACCTGTCAGATCAAGGATGGTGGTGTGCAGCCTCAGTTTGAAATTGTTCTGAAGATGACCCCCAGAA
TGCCATTGTGAGCTCTTCTGCAGATGCTTGTGCAGAACTGCTCAGGACTATAAGCACTACTATGGGG
AACTAATGCCTAACCTGCTTCCAGCTGGAGCTGACTTTTTTGGATTTTCTCATCCAGCCATCCACAACC
TGATCCAGAGCTGTCCAGGAGCTCGAAAAATGCATCAATTACCAGTGGGTGAAATTTGATGTGTGCAAACC
TGGAGATGGGCAGCTACCTGAGGGGCTGCCGGAAGATGATGCAGCTATGAGCTTTGAAGCCTTTCAGAGA
CAGATCTTTGATGAAGATCAGAATGATCCCTTCTGCCAGGATCCTTGGACCTCCAGAGCTTCAGCCTG
CAGCCTTTGTGCTTCTTACCAGCCATGTACCTGACACATGAACCCTTGGTAGATACTCACCTGCAGCA
CTTGAAGTCTCCATCACAGGGTAGCCCAATTCAGTCTTCAGATTGA

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5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_032811 unedited
GTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCGCTCCCCGACTTAGGATCC
GATGCCGGCAGCGTCCTGGGGCCCCGTAGCGGGCTGGACCATGAGCCTGCTGGACGGC
CTCGCTTCCTCGCCGCGGGCTCCGCTGCAGTCCAGCAAGGCCAGGATGAAAAAGCTCCCG
AAGAAGAGCCAGAATGAGAAGTACCGCTGAAGTACCTGCGGCTGCGCAAAGCGGCCAAG
GCCACGGTGTGAAAAATGCTGCTATTTGTGATGAAATTGCTCGTCTTGAGGAAAAATTT
CTTAAAGCAAAAGAAGAAAGAGTACTTGCTAAAGAAGCTCCTCCAGCTTCAGGCTCTA
ACTGAAGGGGAAGTACAGGCTGCAGCTCCTTCCACAGTTCAGTTTGCCCTGACTTAT
GGTGTGGCCAGCTCTGTGGAACTATACAGGGAGCTGGGCCTATTTCCAGGGCCAGCACT
GGGGCTGAGGAACCATTTGGGAAGAAAATAAGAAGGAGAAAAAGAAAAAGGCAAGAG
AACACAACTGGAAGATCATCACCAGCCAGCTGGCTTTCATGATGAGAGTGCCATCTA
CCCCGTGGGCTATTGCAGTACTCGAATATATGCCAGCATGAAGTGCCAGACCAGAAGTG
TCTATATACCTGTGAGATCAGGATGGGTGGTGTGCAGCCTCAGTTTGAAATTGTTCTGA
AGATGACCCCCAGAATGCCATTGTGAGCTCTTCTGCAGATGCTTGTATGCAGAACTGCT
CAGGACTATNAGCACTACTATGGGGAAAACTATGCCCTACCTGCTTCCAGCTGGAGCT
GNACTNTTGGATNTTCTCATCCAGCCTNNCCAACCTGATCCANAGCTGTCCAGA

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_032811 unedited
CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGTGGAAGCCTCATTTTATTTA
ACCAATTTCTATTAATGGACATATAGATTTTAAACATTTTCTACTATTAATAAATAC
TGTAATGAATATCACATGCAACATCATACCACACTCGTCCAGTTATTTCTTAGGGTTCT
TAACATGGAAGAGGATAAATATATATTTAAATTTAGATATCTACAGCTTAACCTCCCA
AAGGATTAACAACCTTACATTCTACCAAGGTAGTCTTTTTTTTGGCCTCACCTCATT
GACACTGGATGTTGTCAAATTTAAAAAAATCCTTAACAATCTGATAGATGAAAAGATAG
TTTAAGTATACTAAGGCAGTGTTCCTCAAGGTGTTTTGTTTTGTTTTGAGTTGGAGT
TTTGCTCTGTTGCCAGCTTGAGTGCAGTGGCGCGGTCTCGGCTCACTGCAACCTCTGC
CTCCCGGGTTCAAGCGATTCTTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCGC
GTGCCACACGCTGGCTATTTTTTTGATTTTATTAGAGACGACTTACCAGGAGGTCTCG
TACTCTGACCTCTGATCAGCCGCTCAGCCTCCAAGTGCTGGGATACAGGCGTGAGCACCG
TGCCAGCTTTTCAGTTCCTAAATCATGATCATAGTAAACATTTTAAACATATCTCATAC
AGTATTGTATATGGGGATACGTCACACTATAGTATATGCTTTAGCTGAAAACAGTCAC
CTTTTACAGGGTATGTTCAAATTTAAATCCTTCTAAATGAGCTCTTATACGGTATACTC
AGCTGAAAATGGGAAAATTTGTTTTGATAAAGCCCTTATTCATTCTGGTATTGCTTTGCT
CAGCATTTTGCAAAAAAGAAAAGTCTTACTTTAGCAGCCCTGCATGCTTATACAAGTG
TCTTACTGAAGGTTCCCTTAAACTCCAA

Restriction Sites:

NotI-NotI

ACCN:

NM_032811

Insert Size:

3860 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032811.1, NP_116200.1</u>
RefSeq Size:	5162 bp
RefSeq ORF:	783 bp
Locus ID:	84897
UniProt ID:	<u>Q3YBR2</u>
Cytogenetics:	11q24.2
Domains:	FYRN, FYRC
Gene Summary:	Acts as a growth inhibitor. Can activate p53/TP53, causes G1 arrest and collaborates with CDKN2A to restrict proliferation, but does not require either protein to inhibit DNA synthesis. Redistributes CDKN2A into the nucleoplasm. Involved in maintaining chromosomal stability. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer, protein-coding transcript. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.