

Product datasheet for **SC327836**

TBRG1 (NM_032811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TBRG1
Synonyms:	NIAM; TB-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327836 representing NM_032811. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCCTGCTGGACGGCCTCGCTTCCTCGCCGCGGGCTCCGCTGCAGTCCAGCAAGGCCAGGATGAAA
AAGCTCCCGAAGAAGAGCCAGAATGAGAAGTACCGGCTGAAGTACCTGCGGCTGCGCAAAGCGGCCAAG
GCCACGGTGTGTTGAAAATGCTGCTATTTGTGATGAAATTGCTCGTCTTGAGGAAAAATTTCTTAAAGCA
AAAGAAGAAAGAGGTACTTGCTAAAGAAGCTCCTCCAGCTTCAGGCTCTAACTGAAGGGGAAGTACAG
GCTGCAGCTCCTTCCACAGTTCCAGTTTGCCCTGACTTATGGTGTGGCCAGCTCTGTGGAACTATA
CAGGGAGCTGGGCCTATTTTCAGGGCCAGCACTGGGGCTGAGGAACCATTTGGGAAGAAAACTAAGAAG
GAGAAAAAAGAAAAAGGCAAGAGACAACAACTGGAAGTTCTGAAGAAAACATGCAAGAAAAAGAAA
ATGGCGGGGAGGTGCTCGCAAGCTGGTTCAGCCATTGCCCTGGATCCCTCAGGACGGCCTGTGTTCCCC
ATCGGACTAGGGGTCTAACAGTATATAGCCTGGGGGAGATCATCCGACCGACCTGGCTTTCATGAT
GAGAGTGCCATCTACCCGTGGGCTATTGCAGTACTCGAATATATGCCAGCATGAAAGTGGCCAGACCAG
AAGTGTCTATATACCTGTCAGATCAAGGATGGTGGTGTGCAGCCTCAGTTTGAAATTGTTCTGAAGAT
GACCCCCAGAATGCCATTGTCAGCTCTTCTGCAGATGCTTGTATGCAGAACTGCTCAGGACTATAAGC
ACTACTATGGGAACTAATGCCTAACCTGCTTCCAGCTGGAGCTGACTTTTTTGGATTTTCTCATCCA
GCCATCCACAACCTGATCCAGAGCTGTCCAGGAGCTCGAAAAATGCATCAATTACCAGTGGGTGAAATTT
GATGTGTGCAAACTGGAGATGGGAGCTACCTGAGGGGCTGCCGAGAAATGATGCAGCTATGAGCTTT
GAAGCCTTTCAGAGACAGATCTTTGATGAAGATCAGAATGATCCCTTCTGCCAGGATCCTTGGACCTC
CCAGAGCTTCAGCCTGCAGCCTTTGTGCTTCTTACCAGCCATGTACCTGACACATGAACCTTGGTA
GATACTCACCTGCAGCACTTGAAGTCTCCATCACAGGGTAGCCCAATTCAGTCTTCAGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



ACCN:	NM_032811
Insert Size:	1236 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032811.2</u>
RefSeq Size:	5162 bp
RefSeq ORF:	1236 bp
Locus ID:	84897
UniProt ID:	<u>Q3YBR2</u>
Cytogenetics:	11q24.2
Domains:	FYRN, FYRC
MW:	44.9 kDa

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.