

Product datasheet for **RN202417**

Tbrg4 (NM_001012154) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbrg4 (NM_001012154) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tbrg4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202417 representing NM_001012154
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGTTCGCCTGATGAAGCAGTGCACATGCCTACTTAGAGAAGCCACCCGCCTAGTTCCTACCGTTG
 CTCCAGTTGGCCGACTGAGACTTGCTGGGGTGGCCTGTAAAGACTTTGACTTCCTCCGTCAGTTCCCCCTC
 TTCAGGTTCTTGACGGAGTTGTTGGGAAAAGAGCAGGTGTTTACTCCCTACCCAGAGCACCAGAGGTG
 GACTACCTCATTGAGAAAGCCACCAGGCCAGAGGAGCTGCTGGAAGTCTAGGTGGTGATCATAGTCTGC
 ACCACAATCATGCAGCCCTATTCTCATCCGGCTGTCTACCTGCTGTCTGAGAAGCCAAAGGAAAAGGC
 CTTGCTTGTAGAGGATGCTCGCTTTCAGCAACTTGTGAGGCTAGTTGACAGTCAAGATACTTCTGTCTGG
 CATGGGACCTCGTGAAGCTGCTGCGAAGTCTGTACACACTAGTCTTCTCAGGGCTCCAAGGAGCTGC
 GGTCCGTGGAACAGGAAGTACGCTGGCGTCTGCGGAGGCTAAAGTATAAGCACTTGGTCTTCTGGCTGA
 GTCCTGTGCCCCCTTCATGAAAGAGCAGCACTCAAAGGAGCTGCTGGCTGAGCTGCTAAGGCACCTGGAG
 AGGCGCTGGACAGAGATCAGCGACAGCCGCACATTGGTGTCCATGATGACCATGGCAGGGCACTTGTGAG
 AGTCACTGATGAACCGCTTGAAGACAAGTGCCTGGAGCTGGTGGAGCAGTTTGGCCCTGATGAGCTGCG
 GAAGGTGCTAATGACGCTGGCAGCCAGAGCCGGCGGTGCGGTGCCCTTGCTGCGGGCCATTTCTACAC
 CTGGTACAGAAGCCCTTCCCATGACGAAAGGCATGCTCCTGGACCTGGCCTACGCCTATGGTAAGCTCA
 GTTTCACCAAACCAAGTGGCCAGCGCTCGCTGCTGACCTCCTGCCCTTATTCCCAGCATGACGCC
 TGGAGAGGTGGCCCGTGCGCCAAGTCTTTCCTTCTCAAGTGGCTCAACCTGCCTTTGTTTGAAGCC
 TTTACTCAGCACCTCTGAACAGCGCTCAGGATGTCTCCCTGTCCCATCTGTGCAGCGTTCTTCTGCCT
 TTGCCCGCTGAACCTTTCATCTGAACAAGAGGATCAGTTTTTCAACTTGGTGCATGAGAAGCTGGACTC
 CGTGCTGGGGAGCCTGGAGCCAGCCCTGCAGGTGGACCTGGTGTGGGCCCTGTGTGTGCTACAGCAAGTG
 CAGGTAGCAGAGCTGCAACAGTTCTCCATCTGGGCTCCACACACGCTTCTAGAGAGCAAGTCTCCAA
 AGGACCAGAGTACCTTCCAGAAATTGGTCCACATCAACAGCACTGCCCTGCTGGAGTACCCTGAATATAA
 AGGCCCTTCTGCCAGCCTCAGCTGTAGCCCCAGTCCCTCACCTCCAACAAGAAGATGACACCCCTA
 CAGAAGGAGCTGAAGACGCACTGAAGGCACTGCTGGGAACAATGACACAGGCAGCCTGGAGGTGGCCA
 CACAGTATGGCTGGGTGCTGGATGCAGAGGTGCTGCTGGATGCTGAGGGCACTTCTGCCCTGAGAGA
 TTTTGTGCTCCTCACCTTGCCAGCCAGTTGGGAACCAGCCACTACCCCGGGAGCTAAAAGAATCGCT
 TTCTACGCTGGGAGTTCCCAACTTCAACAGCAGAAGCAAGGACTTGTGGGGCGTTTTGTCTGGCCC
 GTGCAGATGTGCTGGCTGCAGGCTTCTAGTGGTGGATGTCCCATATTATGAGTGGCTGGATTTGAAGTC
 TGAATGGCAGAAAACCGCTACCTCAAGGACAAGATGCGAAAAGCAGTGGCTGAGGAGCTGGCCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001012154

Insert Size: 1890 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_001012154.1, NP_001012154.1</u>
RefSeq Size:	2153 bp
RefSeq ORF:	1890 bp
Locus ID:	360977
UniProt ID:	<u>Q5M9G9</u>
Cytogenetics:	14q21
Gene Summary:	Plays a role in processing of mitochondrial RNA precursors and in stabilization of a subset of mature mitochondrial RNA species, such as MT-CO1, MT-CO2, MT-CYB, MT-CO3, MT-ND3, MT-ND5 and MT-ATP8/6. May play a role in cell cycle progression.[UniProtKB/Swiss-Prot Function]