

Product datasheet for **MC204490**

Tbrg4 (NM_134011) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbrg4 (NM_134011) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbrg4
Synonyms:	2310042P22Rik; AA120735; AA408001; AI527316; Cpr2; mKIAA0948; R74877; Tb-12
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031910
 CGTAGGCTGATGGAGGTGAGTGGAGGTGATCGCCGCCGAGTCTGGCGTCTGGAGAGACCGGGTTCTG
 AACGGAACAAGACTGGCAGACTTGCCGAAAAGAAACGTCATGTGGTTATGTAGCGTGTTCGAAAAAGGA
 CTTCGGAGTCACTACTAGGAGTCTCCCTCCCTCCCTCCCTCTCCCTGCGCCAGCATCATGGCCGTT
 CGCCTGATGAAGCGGTGTACCTGCCTGCTTCGAGAGGCTACCCGCTAGTTCCTACTGTTGCCCAAGTTG
 GCCGAGTGAAGTGTCTGCAAGACTTTGACGTCTCTGTCAAGTCCCTCCCTCGGGCTC
 CTTGGCGGAGCTGTTGGGAAAGAGCAGGTGTTTACTCCGTACCCAGAGCACCAAGAGCTGGACTTCCTC
 ATTGAGAAAAGCCTCCAGACCAGAGCAGCTGCTGGAGCTGCTGGGTCTGACCATAGCCTGCACCACAATC
 ACGCGGCCCTCATCCTCATCCGCTGTCTACCTGCTGTCTGAGAAGCCAAGGAAAAGGCTTGCTTGC
 AGAGGATGCTCGCTTTCAGCGACTTGTCAAAGTGTGATAGTACAGATAACTTGTGTCTGGCATGGGACC
 CTCGTGAAGTGTGCGGAGCCTGTACACACTAGTGTCCCTCAGATCTCCAAGGAGCTGCAGTCAAGTGG
 AGCAGGAAGTGCCTGCGCTGCGGAGGCTCAAGTACAAGCACTTGGTCTTCTGGCTGAGTCTGTGC
 CTCCTTATGAAGGAGCAACACTCGCAGGAAGTGTGGCCGAGTGTAAATGCACCTGGAGAGGCGCTGG
 ACAGAGATCAACGACAGCCGTACATTGGTGACCATGATGACAATGGCAGGGCACCTCTCAGAGTCACTCA
 TGAACCACCTGGAAGACAAGTGCCTGGAGCTGGTGGAGCAGTTTGGCCCTGATGAGCTGCGGAAGGTGCT
 AGTGACGCTGGCAGCACAGAGCCGGCGGTGCGTCCCTTGTCTGCGGGCCATCTCCTACCACCTGGTACAG
 AAGCCCTTCCCGATGACAAAAGGCATGCTCCTGGACCTGGCCTACGCCTATGGGAAGCTCAGTTCCACC
 AAACCAAGTGTCCCAGCGCCTGGCTGCTGACCTCCTGCCCTTCAATCCCAGCATGACGCCTGGAGAGGT
 GGCCCGCTGCGCCAAGTCTTTGCCTTCTCAAGTGGCTCAACCTGCCTTTGTTTGAAGCCTTTACTCAG
 CACCTCCTCAGCAGAGTGCAGGATGTCTCCCTGTCCCATGTGTGCAGCGTCTTCTTGCCTTTGCCCGAC
 TGAACCTTTCATCCTGAACAAGAAGAGGATCAGTCTTTCAGCATGGTGCATGAGAAGCTGGACCCCGTGT
 GGGGAGCCTGGAGCCGGCCCTGCAGGTGGACCTGGTGTGGGCGCTGTGCGTGTGCAGCAGTGCACGAG
 ACAGAGTGCACACGGTTCTCCATCCTGGACTCCACGCTCGGTTTCTAGAGAGCAAGTCTCCAAAGGACC
 AGAGTACCTTCCAGAAATTTGGTCCACATCAACACCACCGCCTGCTGGAGCACCTGAATATAAAGGCC
 TTTCTGCGAGCCTCAGCTGTAGCCCCATCCCTCACCTCTAATAAAAAGATGACACCCTACAGAAG
 GAGCTGCAGGAGACACTGAAGGCACTGCTGGGGAACACTGACAAGGGCAGCCTGGAGGTGGCCACACAGT
 ATGGCTGGGTGCTGGATGCAGAGGTGCTCCTGGATGCCGACGGCCACTTCTGCCCTAAGAAACTTCGT
 TGCTCCCCACCTTGCCAGCCAGTGGGGAACCAGCCATTGCCCCAGGAGCTAAAAGGATCGCTTTCCTG
 CGCTGGGAGTTCCTCAACTTCAACAGCAGAAGCAAGGACTTGTGGGCGCTTTTGTCTGGCCCGTGCAG
 ATGTGCTGGCTGCAGGCTTCTGGTAGTAGATGTCCCATATTATGAATGGCTGGATCTGAAGTCTGAATG
 GCAGAAAAGCGCCTACCTCAAGGACAAGATGCGAAAAGCAATGGCTGAGGAGCTAGCCAAATGACCTTAC
 CCATCAGTTCAGACTGCTCCAAAGACCTGACTGCTCAGGGACCCAGCAACTCTTGGTTACCACAGAGGT
 GAGGGAGAAGCAGAAAAGCGGCTGGAAGTGGCTTACAGGAAGGAGCAGCTGGCCACAACCTGTCTTAAGT
 TGAGGTGGGTGGTAGTGTGACAACCCAGTTGGGGAAGTCTTGTGTATGAGGAAATAAAAGTTTGTGCT
 GCTCACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_134011

Insert Size: 1893 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: [BC031910](#), [AAH31910](#)

RefSeq Size: 2344 bp

RefSeq ORF: 1893 bp

Locus ID: 21379

UniProt ID: [Q91YM4](#)

Cytogenetics: 11 A1

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]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.