

Product datasheet for **MG217029**

Tbrg4 (NM_134011) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Tbrg4
Synonyms:	2310042P22Rik; AA120735; AA408001; AI527316; Cpr2; mKIAA0948; R74877; Tb-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG217029 representing NM_134011
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCGTTGCGCTGATGAAGCGGTGTACCTGCCTGCTTCGAGAGGCTACCCGCCTAGTTCCTACTGTTG
 CCCCAGTTGGCCGACTGAGACTTGCTGGAGTGTCTGCAAGACTTTGACGTCCTCTGTCAAGTCCCCCTC
 CTCGGGCTCCTTGGCGGAGCTGTTGGGAAAGAGCAGGTGTTTACTCCGTACCCAGAGCACCAGAGCTG
 GACTTCCTCATTGAGAAAGCCTCCAGACCAGAGCAGCTGCTGGAGCTGCTGGGTTCTGACCATAGCCTGC
 ACCACAATCACGCGGCCCTCATCTCATCCGCTGTCTACCTGCTGTCTGAGAAGCCAAAGGAAAAGGC
 CTTGCTTGCAGAGGATGCTCGCTTTCAGCGACTTGCAAGCTAGTTGATAGTCAGATAACTTGTGTCTGG
 CATGGGACCCTCGTGAAGCTGCTGCGGAGCCTGTACACACTAGTGTCCCTCAGATCTCCAAGGAGCTGC
 AGTCAGTGGAGCAGGAAGTGCCTGGCGTCTGCGGAGGCTCAAGTACAAGCACTTGGTCTTCTGGCTGA
 GTCCTGTGCCTCCTTATGAAGGAGCAACTCGCAGGAAGTGTGGCCGAGCTGCTAATGCACCTGGAG
 AGGCGCTGGACAGAGATCAACGACAGCCGTACATTGGTGACCATGATGACAATGGCAGGGCACCTCTCAG
 AGTCACTCATGAACCACCTGGAAGCAAGTGCCTGGAGCTGGTGGAGCAGTTTGGCCCTGATGAGCTGCG
 GAAGGTGCTAGTGACGCTGGCAGCAGAGCCGGCGGTGCGTGCCTTGTCTGCGGGCCATCTCCTACCAC
 CTGGTACAGAAGCCCTTCCCGATGACAAAAGGCATGCTCCTGGACTGGCCTACGCCATGGGAAGCTCA
 GTTCCACCAAACCAAGTGTCCAGCGCCTGGCTGCTGACCTCCTGCCCTTCAATCCAGCATGACGCC
 TGGAGAGGTGGCCCGCTGCGCCAAGTCTTTCCTTCAAGTGGCTCAACCTGCCTTTGTTTGAAGCC
 TTTACTCAGCACCTCCTCAGCAGAGTGCAGGATGTCTCCCTGTCCCATGTGTGCAGCGTTCTTCTTGCCT
 TTGCCCGACTGAACCTTTCATCTGAACAAGAAGAGGATCAGTTCTTTCAGCATGGTGCATGAGAAGCTGGA
 CCCCCTGCTGGGGAGCCTGGAGCCCGCCCTGCAGGTGGACCTGGTGTGGGCGCTGTGCGTGTGCAGCAC
 GTGCACGAGACAGAGCTGCACACGGTCTCCATCCTGGACTCCACGCTCGGTTTCTAGAGAGCAAGTCTC
 CAAAGGACCAGAGTACCTTCCAGAAATGGTCCACATCAACACCACCGCCCTGCTGGAGCACCTGAATA
 TAAAGGCCCTTCTGCCAGCCTCAGCTGTAGCCCCATCCCCTCACCTCTAATAAAAAGATGACACCC
 CTACAGAAGGAACTGCAGGAGACACTGAAGGCACTGCTGGGGAACACTGACAAGGGCAGCCTGGAGGTGG
 CCACACAGTATGGCTGGGTGCTGGATGCAGAGGTGCTCCTGGATGCCGACGGCCACTTCTGCCCTAAG
 AAATTCGTTGCTCCCACTTGCACGCCAGTGGGGAACCAGCCATTGCCCCAGGAGCTAAAAGGATC
 GCTTCTGCGCTGGGAGTCCCACTTCAACAGCAGAAGCAAGGACTTGTGGCCGCTTTGTCTGCTGG
 CCCGTGACATGTGCTGGCTGCAGGCTTCTGGTGTAGTAGATGTCCCATATTATGAATGGCTGGATCTGAA
 GTCTGAATGGCAGAAAAGCGCCTACCTCAAGGACAAGATGCGAAAAGCAATGGCTGAGGAGCTAGCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217029 representing NM_134011
 Red=Cloning site Green=Tags(s)

MAVRLMKRCTLREATRLVPTVAPVGRRLRAGVSKTLTSSVSSPSSGSLAELLGKEQVFTYPEHQEL
 DFLIEKASRPEQLLELLGSDHSLHHNHAALILIRLSYLLSEKPKKALLAEDARFQRLVKLVDSQITCVW
 HGTLVKLLRSLYTLVLPQISKELQSVEQEVWRRLRRLKYKHLVFLAESCASFQHSQELLAELLMHLE
 RRWTEINDSRTLVTMMTMAGHLSLSELMNHLEDKCLELVEQFGPDELKRVLVTLAAQSRRSVPLLRASIH
 LVQKPFPMTKMMLLDLAYAYGKLSFHQTQVSQRLAADLLPFIPSMTPGEVARCAKSF AFLKWLNLPLFEA
 FTQHLLSRVQDVSLSHVCSVLLAFARLNFHPEQEEDQFFSMVHEKLDPVLGSLPALQVDLVMALCVLQH
 VHETELHTVHPGLHARFLESKSPKDQSTFQKLVHINTTALLEHPEYKGPFLPASAVAPIPSPSNKKMTP
 LQKELQETLKALLGNTDKGSLEVATQYGWVLDAEVLLDADGHFLPLRNFVAPHLAQPVGNQPLPPGAKRI
 AFLRWEFPNFNSRKDLLGRFVLARRHVLAAAGFLVVDVPPYEWLCLKSEWQKSAYLKDKMRKAMAEELAK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

RefSeq Size: 3165 bp

RefSeq ORF: 1893 bp

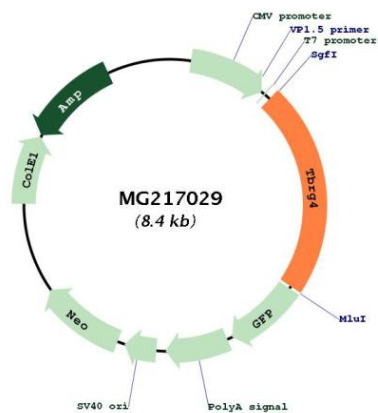
Locus ID: 21379

UniProt ID: [Q9IYM4](#)

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]

Product images:



Circular map for MG217029