

Product datasheet for **RC222933**

TBRG4 (NM_030900) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBRG4 (NM_030900) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TBRG4
Synonyms:	CPR2; FASTKD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC222933 representing NM_030900
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCTCACCTGGTAAAGCGATGCACGTGCCTCCTGAGAGAAGCTGCTCGTCAGGCCCTGCCATGG
 CTCAGATTGGCCGACTGAGACTTGCCTGGGTAGCCATAAGACTCTGACTTCCTCAGCCACCTCACCCAT
 TTCCACCTCCCAGGTTCTTGATGGAGCCGGTGGAGAAGGAACGAGCATCTACTCCCTACATAGAGAAG
 CAGGTGGACACCTCATCAAGAAGGCCACAAGGCCAGAGGAGCTCCTGGAGCTACTTGGTGGCAGTCACG
 ACTTGGACAGCAATCAAGCAGCAATGGTACTTATCCGGCTCTCTCACTTGTCTGTGAGAAGCCAGAAGA
 TAAAGGCTTGCTCATACAGGATGCCACTTTCATCAACTCTCTGTCTGTCAACAGTCAGATTGCCTCG
 GTCTGGCATGGTACCCTCTCGAAGCTGTGGGAAGCCTGTATGCTCTGGGCATCCCCAAGGCCTCCAAGG
 AGCTGCAGTCGGTGGAGCAGGAGGTCCGCTGGCGCATGCGGAAGCTCAAGTACAAGCACCTGGCCTTCT
 GGCAGAGTCCTGTGCCACCCTCTCACAGGAGCAGCACTCGCAGGAGCTGTGGCTGAGCTGCTCACACAC
 CTGGAAAGGCGTTGGACAGAAATTGAAGATTCCCACACATTAGTGACCGTCATGATGAAGGTGGGACACC
 TCTCGGAGCCACTAATGAACCGCTGGAAGACAAGCACGTCTGAACAGAGCGCAGGACATCACCTGCCC
 CCACCTGTGCAGCGTACTTCTGGCTTTTGCCTGTCTGAACCTCCATCCAGACCAAGAGGATCAGTTCTTC
 AGCCTGGTACATGAGAAGCTGGGGTCAAGCTGCCAGGCCTGGAGCCAGCCCTGCAGGTGGACCTGGTGT
 GGGCCCTGTGTGTCTGCAGCAGGCACGGGAAGCAGAGCTGCAAGCCGTCTCCACCCTGAATTTACAT
 CCAATTTCTAGGGGGCAAGTCTCAGAAGGATCAGAACACCTTCCAGAAGCTGCTCCACATCAACGCCACT
 GCCCTGCTGGAGTACCCCGAGTACTCGGGTCCCCTTCTGCCTGCCTCGGCTGTGGCCCTGGGCCCTCAG
 CCCTTGACAGGAAGGTGACCCCCCTGCAAAGGAGCTGCAGGAGACGCTGAAGGGGCTGCTGGGGAGCGC
 CGACAAGGGCAGCCTCGAGGTGGCCACGCAGTATGGCTGGGTGCTGGATGCTGAGGTGCTGCTGGACAGT
 GACGGCGAGTTTCTGCCGTAAGGGACTTTGTGGCACCTCACCTTGCCAGCCAACTGGGAGCCAGTCAC
 CACCTCCAGGGTCTAAGAGGCTAGCGTTCTTGGGTGGGAGTTCCCCAACTTCAACAGCCGAAGCAAGGA
 CTTGCTGGGTGCTTTGTTCTGGCCCGCGACACATAGTGGTGCAGGCTTCTGATAGTGGACGTCCCA
 TTCTATGAGTGGCTGGAAGTCAAGTCTGAATGGCAGAAAGGCGCTACCTCAAGGACAAGATGCGCAAG
 CGGTGGCTGAGGAGCTGGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222933 representing NM_030900
 Red=Cloning site Green=Tags(s)

MAAHLVKRCTLLEAARQAPAMAPVGRRLRLAWVAHKTLTSSATSPIISHLPGSLMEPVEKERASTPYIEK
 QVDHLIKKATRPEELLELLGGSHLDSNQAAVMVIRLSHLLSEKPEDKGLLIQDAHFHQLCLLNSQIAS
 VWHGTLKLLGSLYALGIPKASKELQSVEQEVWRMRKLKYKHLAFLAESCATLSQEQHSQELLAELLTH
 LERRWTEIEDSHTLVTVMMKVGHLSLEPLMNRLEDKHVLRNRAQDITLPHLCSVLLAFARLNFHPDQEDQFF
 SLVHEKLGSELPGLPALQVDLVWALCVLQQAREAEQAVLHPEFHIQFLGGKSQKQNTFQKLLHINAT
 ALLEYPEYSGPLLPASAVAPGPSALDRKVTPLQKELQETLKGLLGSADKGSLEVATQYGWVLD AEVLLDS
 DGEFLPVRDFVAPHLAQPTGSQSPPPGSKRLAFLRWEFPNFSRSKDLLGRFVLARRHIVAAGFLIVDVP
 FYEWLELKSEWQKGAYLKDKMRKAVAEELAK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_030900

ORF Size: 1563 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_030900.3](#)

RefSeq Size: 1961 bp

RefSeq ORF: 1566 bp

Locus ID: 9238

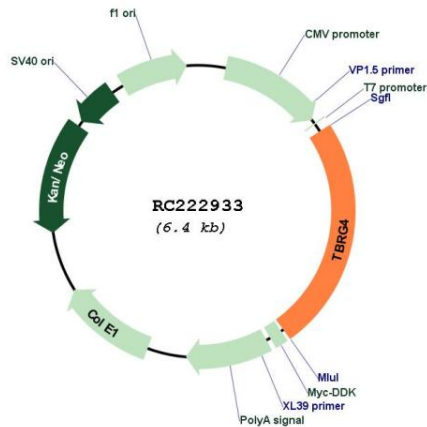
UniProt ID: [Q969Z0](#)

Cytogenetics: 7p13

MW: 58.4 kDa

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 (PubMed:9383053).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC222933