

Product datasheet for **RC210940**

TPRG1 (NM_198485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPRG1 (NM_198485) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TPRG1
Synonyms:	FAM79B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210940 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCAACAATTGGGAGTTTGAAGGATTCCAGGCTGTGTCTCTGAAGCAAGAGGGAGATGACCAACCTT
CTGAGACTGACCACCTATCGATGGAGGAAGAGGACCCGATGCCAAGACAGATTTCAAGGCAGTCAAGTGT
GACCGAATCAACTCTTACCCCAATCCTTATCATCAGCCTTATATCTCACGGAAGTACTTTGCTACACGG
CCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATT
AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGA
CAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTG
AGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCTGGGATGTCCCTGGACAAGAGACAAGGAG
AAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCAC
TGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGC
AAGTTGTCTGGGTTATGTCTAAGCTTGTTCAGCTATCCAGAATGCCACAAGAATCAACTGGATCTG
GAAGAGGAAAGAACTGATGGTGTAACTGAACCCATTTTGATTGAGACCTACACAGGGCTGATGTCATT
CATTGGAACCGCAACAACTTGGCTATTCCCTTGCCCGTGGGAGTATTGGTTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210940 protein sequence
 Red=Cloning site Green=Tags(s)

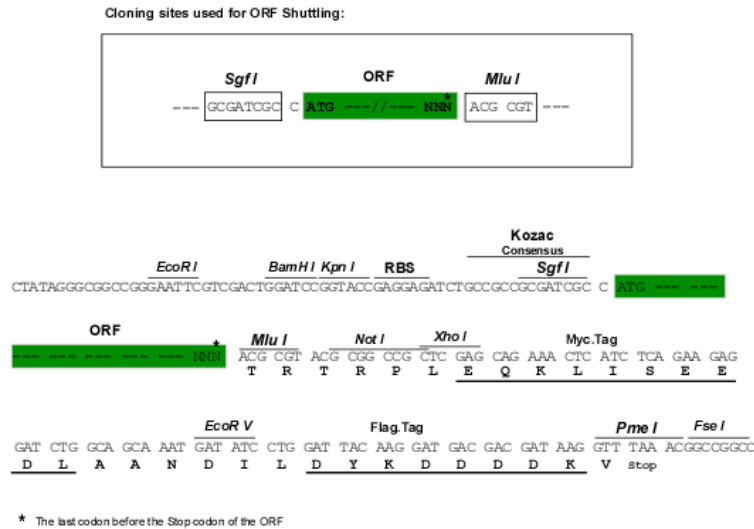
MSTIGSFEGFQAVSLKQEGDDQPSETDHLSMEEEDPMPRQISRQSSVTESTLYPNPYHQPYISRKYFATR
 PGAIETAMEDLKGHVAETSGETIQGFLLTKIDHWNNEKERILLVTDKTLICKYDFIMLSQVQLQRIPL
 SAVYRICLGKFTFPGMSLDKRQGEGLRIYWGSPEEQSLLSRWNPWSTEVYATFTEHPMKYTSEKFLEIC
 KLSGFMSKLVPALQNAHKNSTGSGRGKKLMVLTEPILIIETYTGLMSFIGNRNKLGYSLARGSIGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6383_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198485

ORF Size: 825 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_198485.4

RefSeq Size: 3665 bp

RefSeq ORF: 828 bp

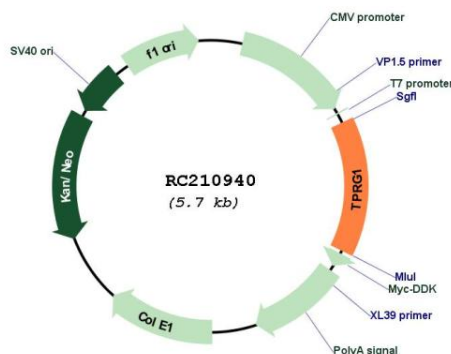
Locus ID: 285386

UniProt ID: Q6ZUI0

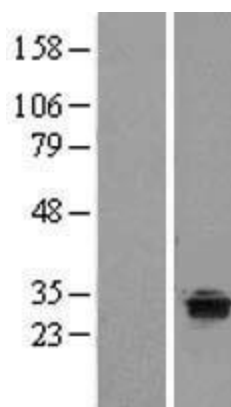
Cytogenetics: 3q28

MW: 31.2 kDa

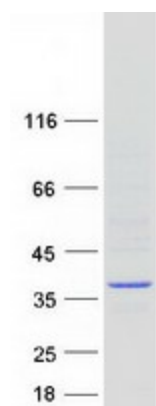
Product images:



Circular map for RC210940



Western blot validation of overexpression lysate (Cat# [LY404919]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210940 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TPRG1 protein (Cat# [TP310940]). The protein was produced from HEK293T cells transfected with TPRG1 cDNA clone (Cat# RC210940) using MegaTran 2.0 (Cat# [TT210002]).