

Product datasheet for **RG210940**

TPRG1 (NM_198485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPRG1 (NM_198485) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPRG1
Synonyms:	FAM79B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210940 representing NM_198485 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCAACAATTGGGAGTTTGAAGGATTCCAGGCTGTGTCTCTGAAGCAAGAGGGAGATGACCAACCTT
CTGAGACTGACCACCTATCGATGGAGGAAGAGGACCCGATGCCAAGACAGATTTCAAGGCAGTCAAGTGT
GACCGAATCAACTCTTACCCCAATCCTTATCATCAGCCTTATATCTCACGGAAGTACTTTGCTACACGG
CCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATT
AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGA
CAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTG
AGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCTGGGATGTCCCTGGACAAGAGACAAGGAG
AAGGCCTTAGGATCTACTGGGGAGTCCGGAGGAGCAGTCTTCTGTCCCGCTGGAACCCATGGTCCAC
TGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGC
AAGTTGTCTGGGTTATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCAGTGGATCTG
GAAGAGGAAAGAACTGATGGTGTAACTGAACCCATTTGATTGAGACCTACACAGGGCTGATGTCATT
CATTGAAACCGCAACAACTTGGCTATTCCCTTGCCCGTGGGAGTATTGGTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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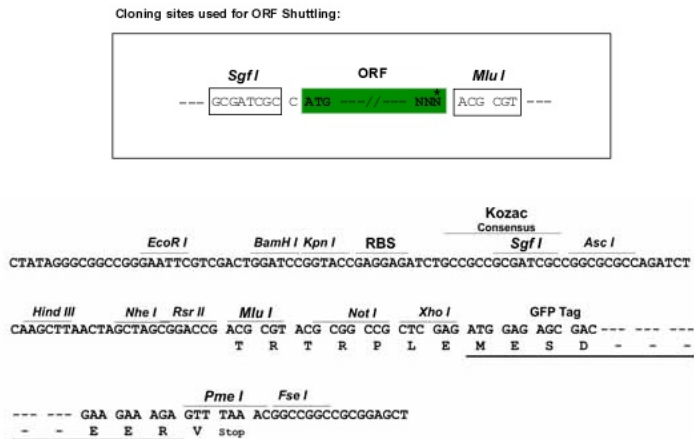
Protein Sequence: >RG210940 representing NM_198485
 Red=Cloning site Green=Tags(s)

MSTIGSFEGFQAVSLKQEGDDQPSETDHLSMEEEDPMPRQISRQSSVTESTLYPNPYHQPYISRKYFATR
 PGAIETAMEDLKGHVAETSGETIQGFWLLTKIDHWNNEKERILLVTDKTLICKYDFIMLSCVQLQRIPL
 SAVYRICLGKFTFPGMSLDKRQGEGLRIYWGSPEEQSLLSRWNPWSTEVYATFTEHPMKYTSEKFLEIC
 KLSGFMSKLVPAIQNAHKNSTGSGRGKKLMVLTEPILIETYTGLMSFIGNRNKLGYSLARGSIGF

TRTRPLE – GFP Tag – V

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: 3655 bp

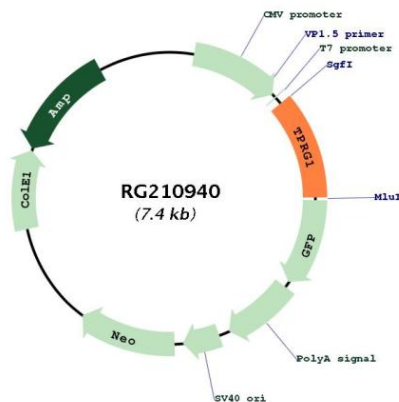
RefSeq ORF: 828 bp

Locus ID: 285386

UniProt ID: [Q6ZUI0](#)

Cytogenetics: 3q28

Product images:



Circular map for RG210940