

Product datasheet for **RG217457**

TPRG1L (NM_182752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPRG1L (NM_182752) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPRG1L
Synonyms:	FAM79A; h-mover; mover
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217457 representing NM_182752 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCAACTGCGGGAAGTGGTGGACTCGGCCGGTACGAGCCCCACGGCGGTGCTGGCGGCCGGCGAGG
 AGGTGGGGCAGGCGGCGGCCGGGGCGGGGGCGGCCGGGGCGGGGACGCCGCTGCGCCAGACACTCTG
 GCCTCTCAGCATCCACGACCCACGCGCCGCGCCCGCTCAAGGAGTACTTCGTGTTCCGGCCCGGCAGC
 ATCGAGCAGGCAGTGGAGGAGATCCGCGTGGTGGTGGCGCCCGTGGAGGACGGCGAGATCCAGGGAGTGT
 GGCTGCTTACCGAGGTGGATCACTGGAACAATGAGAAGGAGCGGCTGGTGTGTCACGGAGCAGTCCCT
 GCTTATCTGTAAATACGACTTCATCAGTCTCCAGTGCCAGCAGGTGGTGCAGATAGCGCTCAACGCAGTA
 GACACCATTTCTACGGAGAATTCAGTTTCCCCCTAAATCGCTCAACAAGCGAGAAGGTTTGGGATTC
 GAATTCAGTGGGACAAGCAAAGTCGTCCTTCCTTCATAACAGATGGAATCCCTGGTCTACCAACGTGCC
 CTATGCCACTTTACAGAACACCCGATGGCTGGCGCAGATGAGAAGACAGCATCTCTGTGTCAAGTTGGAA
 AGCTTCAAGGCTCTGTTAATCCAAGCTGTCAAAAAGCCCAAAAAGAAAGCCCTTTGCCAGGACAGGCGA
 ATGGCGTGCTGATCCTGGAGCGCCCCCTGCTCATCGAGACCTACGTGGGACTCATGTCTTCATTAACAA
 CGAGGCGAAACTGGGCTACTCCATGACCAAGGGGCAAAATAGGCTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG217457 representing NM_182752
 Red=Cloning site Green=Tags(s)

MLQLRDSVDSAGTSPTAVLAAGEEVGAGGGPGGGRPGAGTPLRQTLWPLSIHDPTRRARVKEYFVFRPGS
 IEQAVEEIRVVVRPVEDGEIQGVWLLTEVDHWNNEKERLVLVTEQSLICKYDFISLQCQQVRIALNAV
 DTISYGEFQFPPKSLNKREGFGIRIQWDKQSRPSFINRWNPWSTNVPYATFTEHPMAGADEKTASLCQLE
 SFKALLIQAVKKAQKESPLPGQANGVLILERPLLIETYVGLMSFINNEAKLGYSMTRGKIGF

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182752

ORF Size: 816 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.

RefSeq: [NM_182752.4](#)

RefSeq Size: 2440 bp

RefSeq ORF: 819 bp

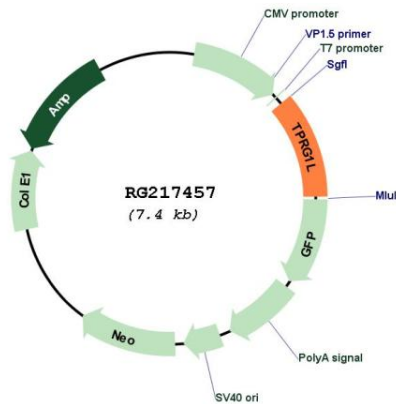
Locus ID: 127262

UniProt ID: [Q5T0D9](#)

Cytogenetics: 1p36.32

Gene Summary: Presynaptic protein involved in the synaptic transmission tuning. Regulates synaptic release probability by decreasing the calcium sensitivity of release.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG217457