

Product datasheet for **RC217457**

TPRG1L (NM_182752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPRG1L (NM_182752) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TPRG1L
Synonyms:	FAM79A; h-mover; mover
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217457 representing NM_182752 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTGCAACTGCGGACTCGGTGGACTCGGCCGGTACGAGCCCCACGGCGGTGCTGGCGGCCGGCGAGG
AGGTGGGGCAGGCGCGGCCCGGGCGGGGGCGGCCGGGGCGGGGACGCCGCTGCGCCAGACTCTG
GCCTCTCAGCATCCACGACCCACGCGCCGCGCCCGCTCAAGGAGTACTTCGTGTTCCGGCCCGGCAGC
ATCGAGCAGGCAGTGGAGGAGATCCGCGTGGTGGTGGCGCCCGTGGAGGACGGCGAGATCCAGGGAGTGT
GGCTGCTTACCGAGGTGGATCACTGGAACAATGAGAAGGAGCGGCTGGTGTGTCACGGAGCAGTCCCT
GCTTATCTGTAAATACGACTTCATCAGTCTCCAGTGCCAGCAGGTGGTGCAGATACGCTCAACGCAGTA
GACACCATTTCTACGGAGAATTCAGTTTCCCCCTAAATCGCTCAACAAGCGAGAAGGTTTGGGATTC
GAATTCAGTGGGACAAGCAAAGTCGTCCTTCTTCATAAACAGATGGAATCCCTGGTCTACCAACGTGCC
CTATGCCACTTTACAGAACACCCGATGGCTGGCGCAGATGAGAAGACAGCATCTCTGTGTCAAGTTGGAA
AGCTTCAAGGCTCTGTTAATCCAAGCTGTCAAAAAGCCCAAAAAGAAAGCCCTTTGCCAGGACAGGCGA
ATGGCGTGCTGATCCTGGAGCGCCCCCTGCTCATCGAGACCTACGTGGGACTCATGTCCTTCATTAACAA
CGAGGCGAAACTGGGCTACTCCATGACCAAGGGGCAAAATAGGCTTT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217457 representing NM_182752
 Red=Cloning site Green=Tags(s)

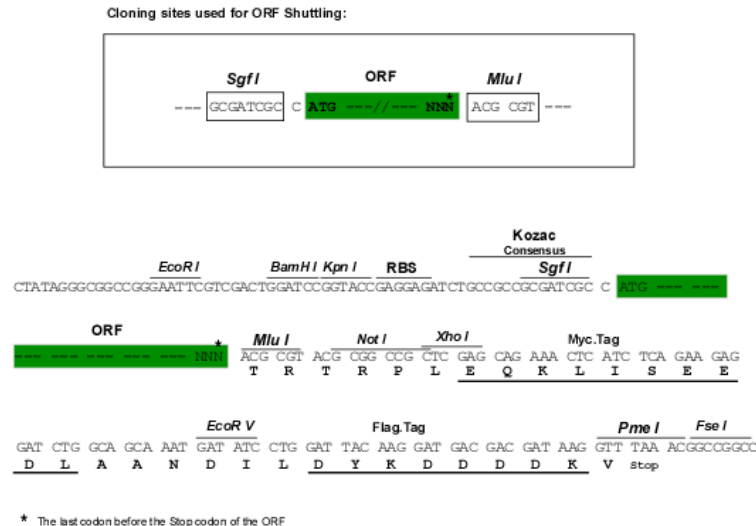
MLQLRDSVDSAGTSPTAVLAAGEEVGAGGGPGGGRPGAGTPLRQTLWPLSIHDPTRRARVKEYFVFRPGS
 IEQAVEEIRVVVRPVEDGEIQGVWLLTEVDHWNNEKERLVLVTEQSLICKYDFISLQCQVVRINALNAV
 DTISYGEFQFPPKSLNKREGFGIRIQWDKQSRPSFINRWNPWSTNVPYATFTEHPMAGADEKTASLCQLE
 SFKALLIQAVKKAQKESPLPGQANGVLILRPLLIETYVGLMSFINNEAKLGYSMTRGKIGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8015_f05.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_182752.4](#)

RefSeq Size: 2440 bp

RefSeq ORF: 819 bp

Locus ID: 127262

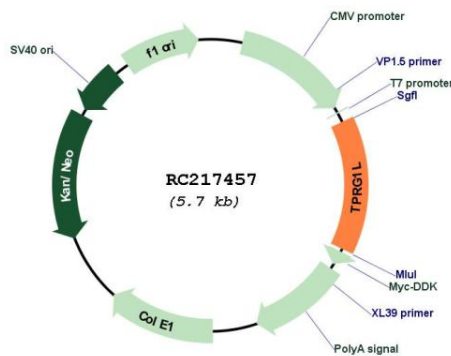
UniProt ID: [Q5T0D9](#)

Cytogenetics: 1p36.32

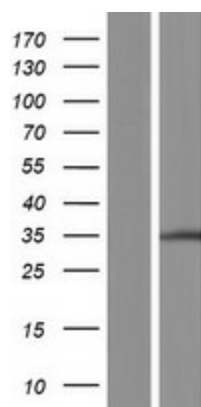
MW: 30 kDa

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]

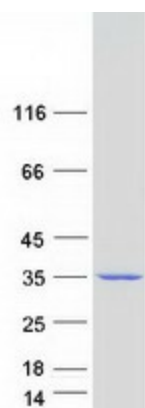
Product images:



Circular map for RC217457



Western blot validation of overexpression lysate (Cat# [LY405348]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217457 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TPRG1L protein (Cat# [TP317457]). The protein was produced from HEK293T cells transfected with TPRG1L cDNA clone (Cat# RC217457) using MegaTran 2.0 (Cat# [TT210002]).