

Product datasheet for **MG203533**

Tprgl (NM_026388) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tprgl (NM_026388) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tprgl
Synonyms: 1200015A19Rik; mover; Svap30; Tprg1l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203533 representing NM_026388
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCAGCTGCGGGACACGGTGGACTCGGCGGGCACGAGCCCCACGGCGGTGCTGGCGGCCGGCGAGG
 ACGCGGGTGGCGGCCGGCTGGGGCGGGCACACCGCTGCGCCAGACGTTGTGGCCGCTGAACGTCCACGA
 CCCTACACGCCGCGCCCGCTCAAGGAGTACTTCGTGTTCCGGCCGGCACCATCGAGCAGGCGGTGCGAG
 GAGATCCGCGCCGTGGTACGGCCGTGGAGGACGGCGAGATCCAGGGGGTGTGGCTGCTGACCGAGGTGG
 ACCACTGGAACAACGAGAAGGAGCGGCTGGTGTGGTACCGACCAGTCGCTGCTCATCTGCAAATATGA
 TTCATCAGCCTTCAGTGCCAGCAGGTGGTCAGGGTGGCGCTCAGCGCGGTAGACACCATCTCCTGTGGA
 GAATTCAGTTTCTCCGAAGTCGCTCAACAAGAGAGAAGGCTTTGGGGTTCGCATTTCAGTGGGACAAGC
 AGAGCCGCCCTTCCTTCATCAACAGATGGAACCCCTGGTCTACAAACATGCCCTATGCCACCTTCATAGA
 ACACCCAATGGCTGGCATGGACGAGAAGACAGCGTCTCTGTGCCATTTGGAAAGCTTCAAGGCTCTCCTG
 ATCCAAGCTGTCAAGAAGGCCAGAAAGGAGAGCCACTGCCAGGGCAGGCGAATACCGTGTGGTGTGG
 AGCGCCCCCTCCTCATCGAGACCTACGTGGGGCTCATGTCCTTCATCAACAATGAAGCCAAGCTGGGCTA
 CTCCATGACCAGGGCAAGATAGGCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203533 representing NM_026388
Red=Cloning site Green=Tags(s)

MLQLRDTVDSAGTSPTAVLAAGEDAGAGRPGAGTPLRQTLWPLNVHDPTRRARVKEYFVFRPGTIEQAVE
 EIRAVVRPVEDGEIQGVLLTEVDHWNNEKERLVLVTDQSLICKYDFISLQCQQVVRVALSAVDTI SCG
 EFQFPKSLNKREGFGVRIQWDKQSRPSFINRWNPWSTNMPYATFIEHPMAGMDEKTASLCHLESFKALL
 IQAVKKAQKESPLPGQANTVLVLERPLLIETYVGLMSFINNEAKLGYSMTRGKIGF

TRTRPLE - GFP Tag - V

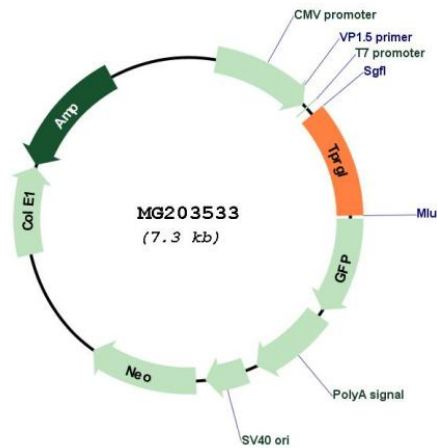
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_026388

ORF Size: 798 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:	<ol style="list-style-type: none">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_026388.2 , NP_080664.1
RefSeq Size:	1756 bp
RefSeq ORF:	801 bp
Locus ID:	67808
UniProt ID:	Q9DBS2
Cytogenetics:	4 E2
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]