

Product datasheet for **RN215926**

Tprg1l (NM_001271085) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tprg1l (NM_001271085) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tprg1l
Synonyms:	mover
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215926 representing NM_001271085 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTACAGCTGCGGGACACAGTGGACTCGGCAGGCACGAGCCCCACGGCGGTGCTGGCGGCCGGCGAGG
ATGCGGGCGCCGACGGCAGGGGGCGGGCACGCCGCTGCGCCAGACTCTGTGGCCGCTGAACGTCCACGA
CCCAACACGCCGCGCCCGCTCAAGGAGTACTTCGTGTTCCGACCCGGCACTATCGAGCAGGCGGTGGAG
GAGATCCGCGCCGTGGTACGGCCCGTGGAGGACGGCGAGATCCAGGGGGTGTGGTCTGACCGAGGTGG
ACCACTGGAACAACGAGAAGGAGCGGCTGGTGTGGTCAACGACCACTCTTTGCTCATCTGCAAATATGA
CTTCATCAGCCTTCAGTGTGACGAGGTGGTCAAGGTGGCGCTCAGTGCAGTAGACACCATCTCCTGTGGA
GAATTCAGTTTCTCCAAAGTCGCTCAACAATTGAAAGCTTCAAGGCTCTCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001271085
Insert Size:	477 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001271085.1, NP_001258014.1</u>
RefSeq Size:	1685 bp
RefSeq ORF:	477 bp
Locus ID:	687090
UniProt ID:	<u>A8WCF8</u>
Cytogenetics:	5q36
Gene Summary:	<p>Presynaptic protein involved in the synaptic transmission tuning. Regulates synaptic release probability by decreasing the calcium sensitivity of release.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an internal coding exon compared to variant 1, which results in a frame-shift and a shorter isoform (2) with a distinct C-terminus compared to isoform 1.</p>