

## Product datasheet for **RG231198**

### TPBGL (NM\_001195528) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TPBGL (NM_001195528) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPBGL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231198 representing NM_001195528 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCGCGCGGGACAGCCGGGGCTCCAGGGGCTGCTGCTCGTGGCGGGCGCTGAGCCAGCCCC  
CGGCACCTGCCCTCCAGTGTACTGCTTCGGCGGCCCAAGCTGCTGCTGCGCTGCGCGTGGGAGC  
CGAGCTCCGCCAGCCTCCGCGGGACGTGCCGCCGACGCGCGCAACCTCACCATCGTAGGCGCAACCTG  
ACGGTGTGCGCGGGCCGCTTCGCCGGCGGGACGGGACGGCGACCAGGCGGGCGTGGCCTGCGCCTG  
CGCTCCTGAGCGCGTGCCTCACGACAACCACATCGAGGTGGTGGAGGACGGCGCTTCGACGGGCT  
GCCAGCCTGGCGGCGCTCGACCTCAGCCACAACCCGCTGCGCGCCTGGCGGGCGCGCTTCGCGGG  
CTGCCCGCGTGCCTCGCTGCAGCTCAACCACGCGTGGTGCAGCGGGCCCGCGCTGCTGGCCGCGC  
TGGACGCTGCGCTGGCACCCTGGCCGAGCTTCGCTGCTGGCCTAGCGGGCAACGCGCTGAGCCGTCT  
GCCGCCAGCCGCTGCGCTGGCGCGCTGGAGCAGCTGGACGTGCGCCTCAACGCGTGGCCGGCCTG  
GACCCGACGAGCTGCGCGCTGGAGCGCATGGCGGCTCCCCGGGCCGCGCTGCTGCTCGCCGACA  
ACCCCTGCGTGCCTGTGCCGACGCCCTGCTGGCCTGGTGGCAACGCCACGGAGCGCTGCC  
CGACTCGCGGCGCTGCGTGCGCCGCCCGGGGCGCTGCTAGACGGCCGCTACTGGACTGGACGGG  
GCGCGGCTTCGCTGCGCGACAGCGGCGCGACGCTCGCGGAGAGAGGGCGGAGGCCCGCCGCGGAGC  
TGAAGCCTCCTACGTGTTCTTCGGGCTGGTGGTGGCACTCATCGCCTCATCTTCTCATGGTGTCTA  
CCTAAACCGCGCGCATCCAGCCTGGATGCGCAACCTGCGCGAGGCGTGGCCGGGACCAGATGGAGGGC  
TACCACTACCGCTACGAGCAGGACGCCGACCCGCGCCGCGCGCCCGCGCCCGCGCGCCCGGGCTCC  
GCGCCACCTCCCCGGGCTCGGGGCTC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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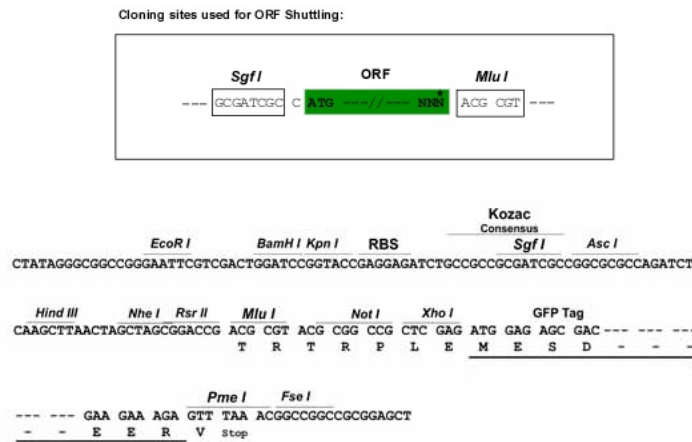
**Protein Sequence:** >RG231198 representing NM\_001195528  
 Red=Cloning site Green=Tags(s)

MAPRAGQPGLQGLLLVAAALSQPAAPCPFQCYCFGGPKLLLRCSGAELRQPPRDVPPDARNLTIVGANL  
 TVLRAAAFAGDGDGDQAAGVRLPLL SALRL THNHIEVVEDGAFDGLPSLAALDL SHNPLRALGGGAFRG  
 LPALRSLQLNHALVRGGPALLAALDAALAPLAELRLLGLAGNAL SRLPPAALRLARLEQLDVRLNALAGL  
 DPDELRALERDGGLPGRLLLDNPLRCGCAARPLLAWLRNATERVPSRRLRCAAPRALLDRPLLDLDG  
 ARLRCADSGADARGEAEAAAGPELEASYVFFGLVLALIGLIFLMVLYLNRRGIQRWMRNLREACRDQMEG  
 YHYRYEQDADPRRAPAPAAPAGSRATSPGSGL

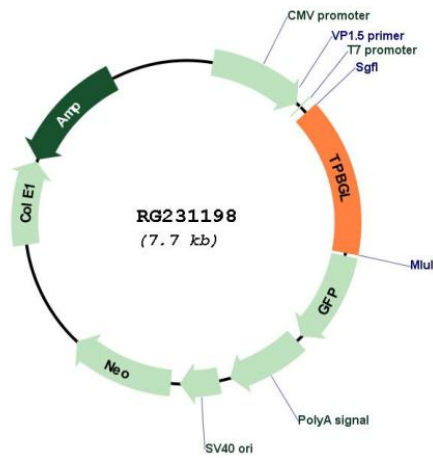
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001195528

<b>ORF Size:</b>	1146 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001195528.2</a>
<b>RefSeq Size:</b>	2820 bp
<b>RefSeq ORF:</b>	1149 bp
<b>Locus ID:</b>	100507050
<b>UniProt ID:</b>	<a href="#">P0DKB5</a>
<b>Cytogenetics:</b>	11q13.4