

## Product datasheet for **RG227133**

### PPP1R3G (NM\_001145115) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R3G (NM_001145115) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP1R3G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227133 representing NM_001145115 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCCATAGGGGCGCGCTAAGTTTGGAGGCGCGGGACCAGCGCCCTCCGAGAGGCCCGCCGG  
CCGAGGAGCTGCCCGCCCGGTGGTCCCCTGTGTGCAGGGTGGCGGCGACGGCGGTGGCGCTTCGGAGAC  
CCCGAGTCTGACGCTCAGCTAGGGGATAGGCCCTGTCCCCGAAGGAAGAGGCCGCCCGCCAGGAGCAG  
GAGGAGCTGCTGGAATGCCGCCCGCTGCCGCGCGCTCCTTTTCTTGCCCGCCGACCCCATCTTGC  
AGGCGGCCAAGTTCTGCAGCAGCAGCAACAGGCGGTGGCACTGGGCGCGAGGGGGCGGAGGACGC  
ACAGCTCGGCCCGGGCGCTGTGCGCCAAGTGCAAGAAGCGGGTGCAGTTCGCGGACACGCTGGGGCTA  
AGCCTGGCCAGCGTGAAGCACTTCAGCGAGGCGGAGGAGCCGAGGTGCCGCCCGCGTGTCTCGCGCC  
TGCGAAGTTCCCTATGCGTGCCGAGGACCTGGAGCAGCTCGGGGGTGTGGCCGCGCGGCAGTGGC  
CGCGCCCTTTCAGCGCCGCTTCCCGGCTCCGGCCGCTTTCAGCTCCCGGGCCGAGCGCCCGCGCC  
GAGCGTCTGCAGCGGCAGCGGTGTGCTGGAGCGGTGCAGTGTGACGGCTCGGGCGTGGGTGA  
AGGGTCCGGCCGGTGTGCTCAGTGCCTGGGCCAGGGCGTGACCGTGCCTACACCTTACCGAGTG  
GCGCTCCTTCTGGACGTGCCGCTGAGCTGCAGCCGAGCCGCTGGAGCCACAGCAGCCAGAGGCCCG  
TCTGGGCGCTCCGAGCCAGGGTCCGGGATGCCAAGAAAGAGCCAGGCGCGAGTGTCTCCACTTCTCGC  
TGTGCCTGCCCGGGCTGCAGCTGAGGACGAAGAGGACGCCGACGAGCGCGGTCCGCTCCACTT  
CGTGTGTGTACCGCTGCGCGCAGGGCGAGTACTGGGACAACAACGCGGGCGCCAACTACACGCTGCGC  
TACGCGCGCCCTGCGGACGCGCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227133 representing NM\_001145115  
 Red=Cloning site Green=Tags(s)

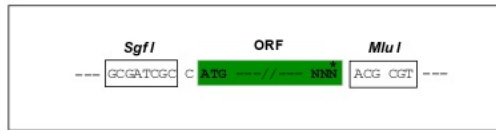
MEPIGARLSLEAPGPAPFREAPPAEELPAPVVPCVQGGDGGGASETSPDAQLGDRPLSPKEEAAPQEQ  
 EELLECRRRRCRARSFSLPADPILQAAKFLQQQQQAVALLGGGAEDAQLGPGCCAKCKKRVOFADTLGL  
 SLASVKHFSEAEPPQVPPAVLSRLRSFPMRAEDLEQLGGLLAAAAVAAPLSAPPSRLRPLFQLPGPSAAA  
 ERLQRQRVCLERVQCSTASGAEVKGSGRVLSCPGPRAVTVRYTFTEWRSFLDVPAELQPEPLEPQQPEAP  
 SGASEPGSGDAKKEPGAECFHFSLCLPPGLQPEDEEDADERGVAVHFVAVCYRCAQGEYWDNNAGANYTLR  
 YARPADAL

TRTRPLE - GFP Tag - V

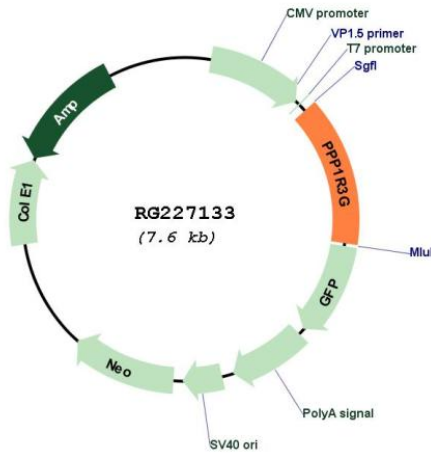
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_001145115

<b>ORF Size:</b>	1074 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_001145115.1</a> , <a href="#">NP_001138587.1</a>
<b>RefSeq Size:</b>	1745 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	648791
<b>UniProt ID:</b>	<a href="#">B7ZBB8</a>
<b>Cytogenetics:</b>	6p25.1
<b>Gene Summary:</b>	Glycogen-targeting subunit for protein phosphatase 1 (PP1). Involved in the regulation of hepatic glycogenesis in a manner coupled to the fasting-feeding cycle and distinct from other glycogen-targeting subunits (By similarity).[UniProtKB/Swiss-Prot Function]