

## Product datasheet for **MG202302**

### **Ppic (NM\_008908) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppic (NM_008908) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppic
Synonyms:	CyP-20c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202302 representing NM_008908 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCCGGGTCCCGTCTGCTGCTGCCCGGGTCTCTGCCTGGGGCTTGGAGCCCTGGTGTCTTCTT  
CGGGGTCTCAGGCGTCCGAAAACGAGGTCCTCGGTGACGGACAAGGTCTTCTTTGATGTGAGGATCGG  
AGACAAAGATGTGGGTAGAATTGTGATTGGCTCTTTGAAACGTTGTACCCAAGACGGTGGAAAACCTC  
GTGGCTCTGGCAACAGGAGAGAAAAGGCTACGGGTACAAGGGCAGCATCTCCACCGTGCATCAAGGACT  
TCATGATTCAAGGAGGGGACTTCACAGCTAGAGATGGCACTGGAGGGATGAGCATCTATGGTGAGACATT  
TCCGGATGAGAACTTCAAACGAAGCACTATGGCATTGGCTGGGTGAGCATGGCCAAATGCTGGACCAGAC  
ACCAACGGATCCCAGTTCTTCATCACCTTGACCAAGCCCACCTGGTTGGATGGCAAAACACGTTGATTTG  
GAAAAGTCCTAGATGGGATGACTGTGGTACATTCCATTGAACTTCAAGCAACAGATGGCCATGACCGCCC  
ACTCACCGACTGCACCATCGTCAACAGTGGCAAGATAGATGTGAAAACACCCTTTGTGGTTGAGGTCCTT  
GATTGG

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202302 representing NM\_008908  
 Red=Cloning site Green=Tags(s)

MSPGPRLLLPAVLCLGLGALVSSSGSSGVRKRGPSVTDKVFDFVRIQDKDVGRIVIGLFGNVVPKTVENF  
 VALATGEKGYGYKGSIFHRVIKDFMIQGGDFTARDGTGGMSIYGETFPDENFKLKHYGIGWYSMANAGPD  
 TNGSQFFITLTKPTWLDGKHVVFQKVLDMGTVVHSIELQATDGHDRPLDCTIVNSGKIDVKTPFVVEVP  
 DW

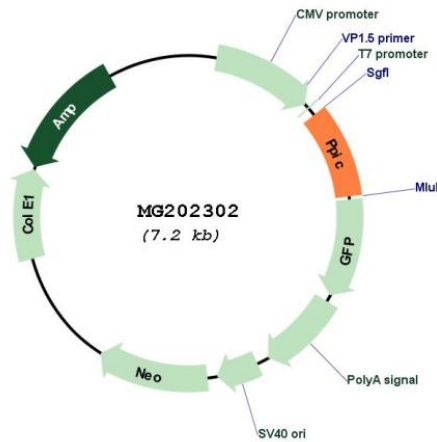
TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_008908

**ORF Size:** 636 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_008908.4</a>
<b>RefSeq Size:</b>	1287 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	19038
<b>UniProt ID:</b>	<a href="#">P30412</a>
<b>Cytogenetics:</b>	18 D1
<b>Gene Summary:</b>	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding.[UniProtKB/Swiss-Prot Function]