

## Product datasheet for **RG200057**

### PPIL2 (NM\_014337) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPIL2 (NM_014337) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPIL2
Synonyms:	CYC4; Cyp-60; CYP60; hCyP-60; UBOX7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG200057 representing NM\_014337  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGAAGCGACAGCACCAAAAGGACAAAATGTACATTACCTGTGCTGAATACACTCACTTTTATGGTG  
 GCAAGAAGCCAGATCTCCACAAAACAAATTTTCGTCGTTTACCTTTTGACCACTGCACTCTCTCTGCA  
 GCCCTTTGTCTACCCAGTCTGCACTCCCGATGGCATCGTCTTTGACTTACTGAACATTGTTCCATGGCTT  
 AAGAAGTACGGGACCAACCCAGCAATGGAGAGAAGCTGGACGGGAGTCCCTGATCAAGCTGAACCTTTT  
 CCAAGAACAGTGAAGGGAAGTACCCTGCCAGTGTGTTTACCGTGTTCACCAACAACCCACATCGT  
 GGCTGTGAGGACGACCGGCAACGCTACGCCTATGAGGCAGTGGAAACAGCTAAATATCAAGGCCAAGAAC  
 TTCGGGACCTGTGACCGACGAGCCCTTCTCCCGGCAGGACATCATACCCTCCAGGACCCCACTAATT  
 TGGACAAGTTCAATGTCTCTAATTCTATCATGTGAAGAATAACATGAAAATAATAGACCCAGATGAAGA  
 GAAGGCCAAACAGGACCCGTCTTATTATCTGAAAATAACAAATGCCGAGACCCGAGAGACCTGCAGGAG  
 CTCTACAAGGAGTTCAAAGGGGACGAGATTCGCGCAGCCACCATGAAGGCCCCGGAGAAGAAGAAAGTGG  
 ACAAGCTGAACGCTGCCACTATTCCACAGGGAAGGTCAGCGCTTCTTACCTCCACCGCGATGGTCCC  
 GGAGACCACACATGAAGCAGTGCATCGACGAGGATGTGCTGCGCTACCAGTTTGTGAAGAAGAAGGGC  
 TACGTGCGGTGCACACCAACAAGGGCGACCTCAACCTGGAGTGCAGTGCACCTGACACCAAAAACCT  
 GCGAAAACCTCATCAGGCTTTGCAAGAAGCATTATTACGATGGCACCATCTTCCACAGATCCATCCGGAA  
 CTTTGTGATCAAAGGGGCGACCCACAGGCACAGGCACGGGTGGGGAGTCATACTGGGGGAAGCCCTTC  
 AAAGACGAGTCCGGCCCAACCTCTCGCACACGGGCCCGGCATCCTCAGCATGGCCAACCTCCGGGCCA  
 ACAGCAACAGGTCTCAATTCTTTCATCACGTTTTCGCTCCTGTGCCTACCTGGACAAGAAGCATAACCTCTT  
 TGGACGGGTTGTTGGGGGCTTTGACGTACTGACAGCCATGGAGAATGTGGAGAGTGACCCCAAACTGAC  
 CGCCCTAAGGAGGAGATCCGCATTGATGCCACTACAGTGTTCGTGGACCCCTATGAGGAGCCGATGCC  
 AGATTGCGCAGGAGCGGAAGACACAGCTCAAGGTAGCCCCGAGACCAAAGTGAAGAGCAGCCAGCCCCA  
 GGCAGGGAGCCAGGGCCCCCAGACCTTCCGCCAGGGCGTGGGCAAGTACATCAACCCAGCAGCCACGAAG  
 CGAGCAGCAGAGGAAGAGCCCTCAACCAGTGCCACTGTCCCCATGTCCAAGAAGAAGCCAGTCCGGGTT  
 TTGGGGACTTCAGCTCTGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG200057 representing NM\_014337  
 Red=Cloning site Green=Tags(s)

MGKRQHQQDKMYITCAEYTHFYGGKKPDLPQTNFRRLPFDHCSLSLQPFVYVPCVTPDGIIVFDLLNIVPWL  
 KKYGTNPSNGEKLDRSLIKLNF SKNSEGKYHCPVLFVFTNNTHIVAVRTTGNVYAYEAVEQLNIKAKN  
 FRDLLTDEPFSRQDIITLQDPTNLDKFNVSNFYHVKNMIIIDPDEEKAKQDPSYYLKNTNAETRETLQE  
 LYKEFKGDEILAAATMKAPEKKKVDKLNAAHYSTGKVSASFSTAMVPETTHEAAAIDEDVLRYPVKKKG  
 YVRLHTNKGDLNLELHCDLTPKTCENFIRLCKKHYYDGTIFHRSIRNFVIQGGDPTGTGTGGESYWGKPF  
 KDEFRPNLSHTGRGILSMANSGPNSNRSQFFITFRSCAYLDDKHTIFGRVVGGFDVLTAMENVESDPKTD  
 RPKEEIRIDATTVFVDPYEEADAQIAQERKTQLKVAPETKVKSSQPQAGSQGPQTFRQGVGKYINPAATK  
 RAAEEEPSTSATVPMSKKKPSRFGDFSSW

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

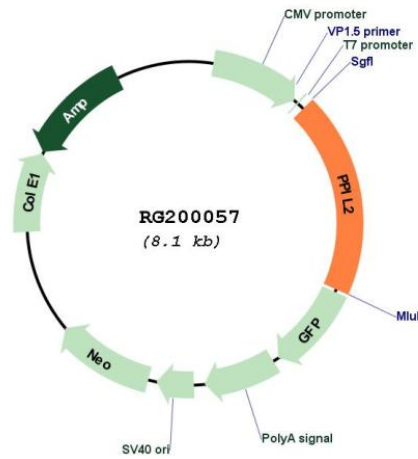
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_014337
<b>ORF Size:</b>	1560 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_014337.4</a>
<b>RefSeq Size:</b>	4128 bp
<b>RefSeq ORF:</b>	1563 bp
<b>Locus ID:</b>	23759
<b>UniProt ID:</b>	<a href="#">Q13356</a>
<b>Cytogenetics:</b>	22q11.21
<b>Domains:</b>	pro_isomerase, U-box
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	This gene is a member of the cyclophilin family of peptidylprolyl isomerases. The cyclophilins are a highly conserved ubiquitous family, members of which play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. This protein interacts with the proteinase inhibitor eglin c and is localized in the nucleus. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]