

## Product datasheet for **RC200057**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPIL2 (NM_014337) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPIL2
Synonyms:	CYC4; Cyp-60; CYP60; hCyP-60; UBOX7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC200057 representing NM\_014337  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGAAGCGACAGCACCAAAAGGACAAAATGTACATTACCTGTGCTGAATACACTCACTTTTATGGTG  
 GCAAGAAGCCAGATCTCCACAAACAAATTTTCGTCGTTTACCTTTTACCAGTGCAGTCTCTCTGCA  
 GCCCTTTGTCTACCCAGTCTGCACTCCCGATGGCATCGTCTTTGACTTACTGAACATTGTTCCATGGCTT  
 AAGAAGTACGGGACCAACCCAGCAATGGAGAGAAGCTGGACGGGAGTCCCTGATCAAGCTGAACCTTTT  
 CCAAGAACAGTGAAGGGAAGTACCAGTCCAGTGTGTTTACCGTGTTCACCAACAACCCACATCGT  
 GGCTGTGAGGACGACCGCAACGCTACGCCTATGAGGCAGTGGAAACAGCTAAATATCAAGGCCAAGAAC  
 TTCGGGACCTGTGACCGACGAGCCCTTCTCCCGCAGGACATCATACCCTCCAGGACCCCACTAAT  
 TGGACAAGTTCAATGTCTCTAATTCTATCATGTGAAGAATAACATGAAAATAATAGACCCAGATGAAGA  
 GAAGGCCAAACAGGACCCGTCTTATTATCTGAAAATACAAATGCCGAGACCCGAGAGACCTGCAGGAG  
 CTCTACAAGGAGTTCAAAGGGGACGAGATTCTGGCAGCCACCATGAAGGCCCCGGAGAAGAAGAAAGTGG  
 ACAAGCTGAACGCTGCCACTATTCCACAGGGAAGGTCAGCGCTTCTTACCTCCACCGCGATGGTCCC  
 GGAGACCACACATGAAGCAGTGCATCGACGAGGATGTGCTGCGCTACCAGTTTGTGAAGAAGAAGGGC  
 TACGTGCGGTGCACACCAACAAGGGCGACCTCAACCTGGAGTGCAGTGCAGCTGACACCAAAAACCT  
 GCGAAAACCTCATCAGGCTTTGCAAGAAGCATTATTACGATGGCACCATCTTCCACAGATCCATCCGGAA  
 CTTTGTGATCAAAGGGGGCAGCCACAGGCACAGGCACGGGTGGGAGTCACTGGGGGAAGCCCTTC  
 AAAGACGAGTCCGGCCCAACCTCTCGCACAGGGCCCGGCATCCTCAGCATGGCCAACCTCCGGGCCCA  
 ACAGCAACAGGTCTCAATTCTTACACGTTTCGCTCCTGTGCCTACCTGGACAAGAAGCATAACCTCTT  
 TGGACGGGTTGTTGGGGGCTTTGACGTAAGTACGACGACCCATGGAGAATGTGGAGAGTACCCCAAACTGAC  
 CGCCCTAAGGAGGAGATCCGCATTGATGCCACTACAGTGTTCGTGGACCCCTATGAGGAGCCGATGCC  
 AGATTGCGCAGGAGCGGAAGACACAGCTCAAGGTAGCCCGGAGACCAAAGTGAAGAGCAGCCAGCCCA  
 GGCAGGGAGCCAGGGCCCCAGACCTTCCGCCAGGGCGTGGCAAGTACATCAACCCAGCAGCCACGAAG  
 CGAGCAGCAGAGGAAGAGCCCTCAACCAGTGCCACTGTCCCATGTCCAAGAAGAAGCCAGTGGGGTT  
 TTGGGACTTCAGCTCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200057 representing NM\_014337  
 Red=Cloning site Green=Tags(s)

MGKRQHQQDKMYITCAEYTHFYGGKKPDLPQTNFRRLPFDHCSLSLQPFVYVPVCTPDGIVFDLLNIVPWL  
 KKYGTNPSNGEKL DGRSLIKLNF SKNSEGKYHCPVLFVFTNNTHIVAVRTTGNVYAYEAVEQLNIKAKN  
 FRDLLTDEPFSRQDIITLQDPTNLDKFNVSNFYHVKNMMLIIDPDEEKAKQDPSYLLKNTNAETRETLQE  
 LYKEFKGDEILAAATMKAPEKKKVDKLNAAHYSTGKVSASFSTAMVPETTHEAAAIDEDVLRYPVKKKG  
 YVRLHTNKGDLNLELHCDLTPKTCENFIRLCKKHYYDGTIFHRSIRNFVIQGGDPTGTGGESYWGKPF  
 KDEFRPNLSHTGRGILSMANSGPNSNRSQFFITFRSCAYL DKKHTIFGRVVGDFDLTAMENVESDPKTD  
 RPKEEIRIDATTVFVDPYEEADAQIAQERKTQLKVAPETKVKSSQPQAGSQPQTFRQGVGKYINPAATK  
 RAAEEEPSTSATVPMSSKKPSRFGDFSSW

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul



<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>MW:</b>	58.8 kDa
<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]