

## Product datasheet for **SC101193**

### PPIL2 (NM\_148176) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPIL2 (NM_148176) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPIL2
Synonyms:	CYC4; Cyp-60; CYP60; hCyP-60; UBOX7
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_148176, the custom clone sequence may differ by one or more nucleotides

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ATGGGGAAGCGACAGCACCAAAAAGGACAAAATGTACATTACCTGTGCTGAATACACTCACTTTTATGGTG
GCAAGAAGCCAGATCTCCACAACAAATTTTCGTCGTTACCTTTTGACCCTGCACTCTCTCTGCA
GCCCTTTGTCTACCCAGTCTGCACTCCCGATGGCATCGTCTTTGACTTACTGAACATTGTTCCATGGCTT
AAGAAGTACGGGACCAACCCAGCAATGGAGAGAAGCTGGACGGGAGTCCCTGATCAAGCTGAACCTTTT
CCAAGAACAGTGAGGGGAAGTACCACTGCCAGTCTGTTTACCGTGTTCACCAACAACACCCACATCGT
GGCTGTGAGGACGACCGCAACGTCTACGCCTATGAGGCAGTGGAAACAGCTAAATATCAAGGCCAAGAAC
TTCCGGGACCTGCTGACCGACGAGCCCTTCTCCCGGCAGGACATCATCACCTCCAGGACCCCACAATT
TGGACAAGTTCAATGTCTCTAATTCTATCATGTGAAGAATAACATGAAAATAATAGACCCAGATGAAGA
GAAGGCCAAACAGGACCCGTCTTATTATCTGAAAAATACAAATGCCGAGACCCGAGAGACCCCTGCAGGAG
CTCTACAAGGAGTTCAAAGGGGACGAGATTCTGGCAGCCACCATGAAGGCCCCGGAGAAGAAGAAAGTGG
ACAAGCTGAACGCTGCCACTATTCCACAGGGAAGGTGAGCGCTTCTTCCACCTCCACCGGATGGTCCC
GGAGACCACACATGAAGCAGTGCATCGACGAGGATGTGCTGCGCTACCAAGTTTGTGAAGAAGAAGGGC
TACGTGCGGTGCACACCAACAAGGGCGACCTCAACCTGGAGCTGCACTGCGACCTGACACCAAAAACCT
CGGAAAACCTTCATCAGGCTTTGCAAGAAGCATTATTACGATGGCACCATCTTCCACAGATCCATCCGGAA
CTTTGTGATCCAAGGGGCGACCCACAGGCACAGGCACGGGTGGGGAGTCATACTGGGGGAAGCCCTTC
AAAGACGAGTTCCGGCCCAACCTCTCGCACAGGGCCGCGGCATCCTCAGCATGGCCAACCTCCGGGCCCA
ACAGCAACAGGTCTCAATTCTTTCATCACGTTTCGCTCCTGTGCCTACCTGGACAAGAAGCATACCATCTT
TGGACGGGTTGTTGGGGCTTTGACGACTGACAGCCATGGAGAATGTGGAGAGTGACCCCAAACTGAC
CGCCCTAAGGAGGATCCGCATTTGATGCCACTACAGTGTTCGTGGACCCCTATGAGGAGCCGATGCC
AGATTGCGCAGGAGCGGAAGACACAGCTCAAGGTAGCCCGGAGACCAAGTGAAGAGCAGCCAGCCCA
GGCAGGGAGCCAGGGCCCGACCTTCCGCCAGGGCGTGGGCAAGTACATCAACCCAGCAGCCACCGAG
CAGCAGAGGAAGAGCCCTCAACCAAGTGCCTGTCCCATGTCCAAGAAGAAGCCAGTCCGGGTTTTGG
GGACTTCAGTCTGCTAGCAGCAGGCTGCCTGATGACCACTAG

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_148176 unedited GGGTGTTCAAATTTTGTAAACGACTACTATAGGGCGGCCGCGAAATTCGCACGAGGGG TCTGAGTTGTGACCCGTTGTTTTTCGTGCTCGCTAGTCGCCGCCCGCTCCGCCATGG GGAAGCGACAGCACAAAAGGACAAAATGTACATTACCTGTGCTGAATACACTCACTTTT ATGGTGGAAGAAGCCAGATCTCCACAAAACAATTTTCGTGCTTTACCTTTTGACCACT GCAGTCTCTCTGCAGCCCTTTGTCTACCCAGTCTGCACTCCCGATGGCATCGTCTTTG ACTTACTGAACATTGTTCCATGGCTTAAGAAGTACGGGACCAACCCAGCAATGGAGAGA AGCTGGACGGGAGTCCCTGATCAAGCTGAACCTTTTCCAAGAACAGTGAGGGGAAGTACC ACTGCCAGTGCTGTTTACCGTGTTCACCAACAACACCCACATCGTGGCTGTGAGGACGA CCGGCAACGTCTACGCCTATGAGGCAGTGAACAGCTAAATATCAAGGCCAAGAATTCC GGGACCTGCTGACCGACGAGCCCTTCTCCCGCAGGACATCATCACCTCCAGGACCCCA CCAATTTGGACAAGTTCAATGTCTCTAACTTCTATCATGTGAAGAATAACATGAAAATAA TAGACCCAGATGAAGAGAAGGCCAAACAGGACCCGCTTATTATCTGAAAAACAATGC CGAGACCCGAGAGACCTGCAGGAGCTCTACAAGGAGTTCAAAGGGGACGAGATTCTGGC AGCCACCATGAAGCCCCNGAGAAGAAGAAAGTGGACAAGCTGAACGCTGCCACTATTN CACAGGGGAAGGTCAGCGCTTNCCTCACCTCACCGCGATGGTNCNGGAGACACACATGA AGCAGCTGCCATCGACAAGGATGTGCTGCGCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_148176
<b>Insert Size:</b>	3000 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_148176.1</a> , <a href="#">NP_680481.1</a>
<b>RefSeq Size:</b>	2736 bp
<b>RefSeq ORF:</b>	2736 bp
<b>Locus ID:</b>	23759
<b>UniProt ID:</b>	<a href="#">Q13356</a>
<b>Cytogenetics:</b>	22q11.21
<b>Domains:</b>	pro_isomerase
<b>Protein Families:</b>	Druggable Genome

**Protein Pathways:** Ubiquitin mediated proteolysis

**Gene Summary:** 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]  
Transcript Variant: This variant (3) uses an alternate acceptor splice site in the 3' coding region that results in a frameshift compared to variant 1. The encoded isoform (b) contains a longer and distinct C-terminus compared to isoform a.