

Product datasheet for **SC126943**

PPIL2 (NM_148175) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPIL2 (NM_148175) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPIL2
Synonyms:	CYC4; Cyp-60; CYP60; hCyP-60; UBOX7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC126943 sequence for NM_148175 edited (data generated by NextGen Sequencing)

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ATGGGGAAGCGACAGCACCAAAAGGACAAAATGTACATTACCTGTGCTGAATACACTCAC
TTTTATGGTGGCAAGAAGCCAGATCTCCACAACAAATTTTCGTGTTTACCTTTTGAC
CACTGCAGTCTCTCTGCAGCCCTTTGTCTACCCAGTCTGCACTCCCGATGGCATCGTC
TTTGACTTACTGAACATTGTTCCATGGCTTAAGAAGTACGGGACCAACCCAGCAATGGA
GAGAAGTGGACGGGAGGTCCCTGATCAAGCTGAACTTTTCCAAGAACAGTGAGGGGAAG
TACCACTGCCAGTGTCTTTACCGTGTTCACCAACAACACCCACATCGTGGCTGTGAGG
ACGACCGCAACGTCTACGCCTATGAGGCAAGTGAACAGCTAAATATCAAGGCCAAGAAC
TTCCGGGACCTGTGACCGACGAGCCCTTCTCCGGCAGGACATCATACCCTCCAGGAC
CCCACCAATTTGGACAAGTTCAATGTCTCTAACTTCTATCATGTGAAGAATAACATGAAA
ATAATAGACCCAGATGAAGAGAAGGCCAAACAGGACCCGTCTTATTATCTGAAAAATACA
AATGCCGAGACCCGAGAGACCCTGCAGGAGCTCTACAAGGAGTTCAAAGGGGACGAGATT
CTGGCAGCCACCATGAAGGCCCGGAGAAGAAGAAAGTGGACAAGCTGAACGCTGCCAC
TATTCCACAGGGAAGGTCAGCGTTCCTTACCTCCACCGGATGGTCCCGGAGACCACA
CATGAAGCAGCTGCCATCGACGAGGATGTGCTGCGCTACCAAGTTTGTGAAGAAGAAGGGC
TACGTGCGGCTGCACACCAACAAGGGCGACCTCAACCTGGAGCTGCACTGCGACCTGACA
CCAAAAACCTGCGAAAATTCATCAGGCTTTGCAAGAAGCATTATTACGATGGCACCATC
TTCCACAGATCCATCCGGAACCTTTGTGATCCAAGGGGGGACCCACAGGCACAGGCACG
GGTGGGGAGTCATACTGGGGGAAGCCCTTCAAAGACGAGTTCCGGCCCAACCTCTCGCAC
ACGGGCCCGCGCATCCTCAGCATGGCCAACCTCCGGGCCAACAGCAACAGGTCTCAATTC
TTCATCACGTTTCGTCTGTGCCTACCTGGACAAGAAGCATACCATCTTTGGACGGTT
GTTGGGGCTTTGACGTACTGACAGCCATGGAGAATGTGGAGAGTGACCCCAAACTGAC
CGCCCTAAGGAGGAGATCCGCATTGATGCCACTACAGTGTTCGTGGACCCCTATGAGGAG
GCCGATGCCAGATTGCGCAGGAGCGGAAGACACAGCTCAAGGTAGCCCCGGAGACCAAA
GTGAAGAGCAGCCAGCCAGGCAGGGAGCCAGGGCCCCAGACCTTCCGCCAGGGCGTG
GGCAAGTACATCAACCCAGCAGCCACGAAGCGAGCAGCAGAGGAAGAGCCCTCAACCAGT
GCCACTGTCCCATGTCCAAGAAGAAGCCAGTCGGGGTTTTGGGGACTTCAGCTCTGG
TAG
    
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Clone variation with respect to NM_148175.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_148175 unedited
CCCCTCTATAGGGCGCCGCAATTCGGCACGAGGCGGAACCTCGGCTGCGGCTCCTGG
TCTGAGTTGTGAGCCGTTGTTTTTCGTGCTCGTAGTCGCCGCCGCGCTCCGCCATGG
GGAAGCGACAGCACCAAAAGGACAAAATGTACATTACCTGTGCTGAATACACTCACTTTT
ATGGTGGCAAGAAGCCAGATCTCCACAACAAATTTTCGTGTTTACCTTTTGACCACT
GCAGTCTCTCTGCAGCCCTTTGTCTACCCAGTCTGCACTCCCGATGGCATCGTCTTTG
ACTTACTGAACATTGTTCCATGGCTTAAGAAGTACGGGACCAACCCAGCAATGGAGAGA
AGCTGGACGGGAGGTCCCTGATCAAGCTGAACTTTTCCAAGAACAGTGAGGGGAAGTACC
ACTGCCAGTGTGTTTACCGTGTTCACCAACAACACCCACATCGTGGCTGTGAGGACGA
CCGGCAACGTCTACGCTATGAGGCAGTGGAAACAGCTAAATATCAAGGCCAAGAACTTCC
GGGACCTGCTGACCGACGAGCCCTTCTCCGGCAGGACATCATACCCTTCCAGACCCCA
CCAATTTGGACAAGTTCAATGCCTCTAACTCCTATCATGTGAAGAATAACATGANNNAATA
TAGACCCAGATGAAGAGAAGGCCAAACAGGACCCGTCTTTATATCCTGAAAATACAAATG
CCGAGACCCGAGAGACCCCTGCAGAGCTCTACAAGGAGTCAAAGGGGACGAGATTCTGCA
GCACCATGAAGCCCCGGAGAGAAAAGGTGACAGCTGACGCTGCCCATATTCCAAGGGAG
TTAGGGCTTCTTACCTCACCAGTGTCCCGAAACACCATGAGCACTGCATCGACGAGAT
GGCTGCCTACATTTGAAAAAAAGGCTAGGCGNTGACACAAGGCGACCTN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_148175 unedited CCCCGTTTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCTTCCCAAATCCTTTAATTTA CCTGATGCCCTCATCAGGTCGTTAAAAATTCAAATGGTTTTAATAGCTAAAAACTACAA ATTAAGCTCTAAAACAACAACTACAGAAATGTAACCTTCATTTGCCAAAGGTCCTTG GTGGCCTGTCCCCTGCCCTGGGAGCAAATGGCCCTGAAGCCCTCCCTTACTGTGCAGGC CACCGGTTGAGGCTGGACGGTCACCCATGGTGGCTTCACTGCAAGGAGCAGGACTGCCGA GCTCAAGCACGGGGCCTTCAGCTTACCCTGTCTCTGGCCACACGCCAGCCCTTGGTCC TTATCTGTGTGAGGTTTACAAATAAAGCTTCTGATGTCAAATGTTTAAATCGTGCCTCA GTGGACGAGGCCATGTCCTGATGCACAAGGCTGAGCCCAGGCTCTCTGTGGCGCCGCTGA GAGCAGAGGGCTGCCTTGGGGTCTTAGAGCTCTGGAGCCAAGGACGGACTGGCCCTACTT CTCTGCCCCACCAATGGGGGACTCGAATGCGGCCAGAGAATACAGTCACTCAGGGCCAG CCAGGGTGTGTGTCAGCTGGCCACAGGAACCTCTCAAACCTGCTTCTACCTCTGGAC AGGCCTTCATCCCACCACCCGCACCTGCACCCTGCACGCTGGCTAAAGGCTACAGGTG GGTGGACACCCGCGCAGCAATGCGTACTACCGTGCCTACTCTGCAGCCCAACTGGTGT CTCATCTTTACAATAGCTATCGCAGGCTGACCAAGCCTGCGGAGAACACCCTGGCCGA AGGATGCAGCCCACCATCCACTCTAAAACCAGGGCCTACCAAGCCAGACGGCATAAAGC TCCCAGGAGGGCTGCCAAAAAGGACCCCTGCCAATCTTGCTAAATGGGACAGCCC ACATGT
Restriction Sites:	NotI-NotI
ACCN:	NM_148175
Insert Size:	2790 bp
OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_148175.1 , NP_680480.1
RefSeq Size:	2789 bp
RefSeq ORF:	1563 bp
Locus ID:	23759
UniProt ID:	Q13356
Cytogenetics:	22q11.21
Protein Families:	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 (2) lacks a segment in the 3' UTR compared to variant 1. Variants 1, 2 and 4 encode the same isoform (a).