

Product datasheet for **RG224198**

PPIL2 (NM_148175) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPIL2 (NM_148175) 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:

>RG224198 representing NM_148175
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAAGCGACAGCACCAAAAGGACAAAATGTACATTACCTGTGCTGAATACACTCACTTTTATGGTG
 GCAAGAAGCCAGATCTCCACAAAACAAATTTTCGTCGTTTACCTTTTGACCACTGCACTCTCTCTGCA
 GCCCTTTGTCTACCCAGTCTGCACTCCCGATGGCATCGTCTTTGACTTACTGAACATTGTTCCATGGCTT
 AAGAAGTACGGGACCAACCCAGCAATGGAGAGAAGCTGGACGGGAGTCCCTGATCAAGCTGAACCTTTT
 CCAAGAACAGTGAAGGGAAGTACCCTGCCAGTGTGTTACCGTGTTCACCAACAACCCACATCGT
 GGCTGTGAGGACGACCGGCAACGCTACGCCTATGAGGCAGTGGAAACAGCTAAATATCAAGGCCAAGAAC
 TTCGGGACCTGTGACCGACGAGCCCTTCTCCCGGCAGGACATCATACCCTCCAGGACCCCACTAATT
 TGGACAAGTTCATGTCTCTAATTCTATCATGTGAAGAATAACATGAAAATAATAGACCCAGATGAAGA
 GAAGGCCAAACAGGACCCGTCTTATTATCTGAAAATAACAAATGCCGAGACCCGAGAGACCTGCAGGAG
 CTCTACAAGGAGTTCAAAGGGGACGAGATTCTGGCAGCCACCATGAAGGCCCCGGAGAAGAAGAAAGTGG
 ACAAGCTGAATGCTGCCACTATTCCACAGGGAAGGTCAGCGCTTCTTACCTCCACCGCGATGGTCCC
 GGAGACCACACATGAAGCAGTGCATCGACGAGGATGTGCTGCGCTACCAGTTTGTGAAGAAGAAGGGC
 TACGTGCGGTGCACACCAACAAGGGCGACCTCAACCTGGAGTGCCTGCGACCTGACACCAAAAACCT
 GCGAAAACCTCATCAGGCTTTGCAAGAAGCATTATTACGATGGCACCATCTTCCACAGATCCATCCGGAA
 CTTTGTGATCAAAGGGGGCAGCCACAGGCACAGGCACGGGTGGGGAGTCATACTGGGGGAAGCCCTTC
 AAAGACGAGTTCGGGCCAACCTCTCGCACAGGGCCCGGCATCCTCAGCATGGCCAACCTCCGGGCCCA
 ACAGCAACAGGTCTCAATTCTTTCATCAGTTCCTGCTCCTGTGCCTACCTGGACAAGAAGCATACTCTT
 TGGACGGGTTGTTGGGGGCTTTGACGTACTGACAGCCATGGAGAATGTGGAGAGTGACCCCAAACTGAC
 CGCCCTAAGGAGGAGATCCGCATTGATGCCACTACAGTGTTCGTGGACCCCTATGAGGAGCCGATGCC
 AGATTGCGCAGGAGCGGAAGACACAGCTCAAGGTAGCCCCGAGACCAAAGTGAAGAGCAGCCAGCCCCA
 GGCAGGGAGCCAGGGCCCCAGACCTTCCGCCAGGGCGTGGCAAGTACATCAACCCAGCAGCCACCGAG
 CAGCAGAGGAAGGCCCTCAACCAAGTCCACTGTCCCATGTCCAAGAAGAAGCCAGTCCGGGTTTTGG
 GGACTTCAGCTCCTGGTAGCAGCAGGCTGCCTGATGACCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG224198 representing NM_148175
 Red=Cloning site Green=Tags(s)

MGKRQHQQDKMYITCAEYTHFYGGKKPDLQTNFRRLPFDHCSLSLQPFVYVPCVTPDGIIVFDLLNIVPWL
 KKYGTNPSNGEKLDRSLIKLNF SKNSEGKYHCPVLFVFTNNTHIVAVRTTGNVYAYEAVEQLNIKAKN
 FRDLLTDEPFSRQDIITLQDPTNLDKFNVSNFYHVKNMKIIDPDEEKAKQDPSYYLKNTNAETRETLQE
 LYKEFKGDEILAAATMKAPEKKKVDKLNAAHYSTGKVSASFSTAMVPETTHEAAAIDEDVLRVYQFVKKKG
 YVRLHTNKDNLNLELHCDLTPKTCENFIRLCKKHYYDGTIFHRSIRNFVIQGGDPTGTGTGGESYWGKPF
 KDEFRPNLSHTGRGILSMANSGPNSNRSQFFITFRSCAYLDKKHTIFGRVVGGFDVLTAMENVESDPKTD
 RPKEEIRIDATTVFVDPYEEADAQIAQERKTQLKVAPETKVKSSQPQAGSQGPQTFRQGVGKYINPAATE
 QQRKSPQVPVPLSPCRRSPVGLGTSAPGSSRLPDDH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_148175

ORF Size: 1581 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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](#)

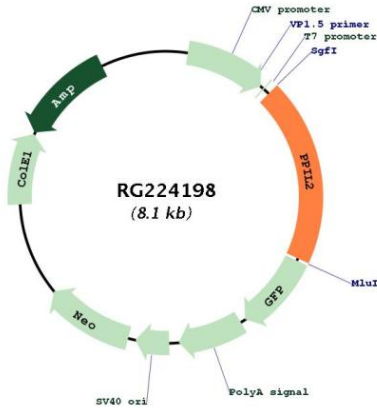
Cytogenetics: 22q11.21

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]

Product images:



Circular map for RG224198