

Product datasheet for **RG200015**

PPIL1 (NM_016059) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPIL1 (NM_016059) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PPIL1
Synonyms: CGI-124; CYPL1; hCyPX; PCH14; PPlase
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200015 representing NM_016059
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCAATCCCCAGATTCCTGGCAGCCACCCAACGTTTACTTGGAGACCAGCATGGGAATCATTG
 TGCTGGAGCTGTACTGGAAGCATGCTCCAAAGACCTGTAAGAAGTTGCTGAGTTGGCTCGTCGAGGTTA
 CTACAATGGCAGAAAATCCACAGAATTATCAAAGACTTCATGATCCAAGGAGGTGACCAACAGGGACA
 GGTCGAGGTGGTGCATCTATCTATGGCAAACAGTTTGAAGATGAAGTTTCATCCAGACTTGAAATTCACGG
 GGGCTGGAATTCTCGCAATGGCCAATGCGGGGCCAGATACCAATGGCAGCCAGTTCTTTGTGACCTCGC
 CCCCACCCAGTGGCTTGACGGCAAACACACCATTTTGGCCGAGTGTGTCAGGGCATAGGAATGGTGAAT
 CGCGTGGGAATGGTAGAAACAACTCCCAGGACCGCCCTGTGGACGACGTGAAGATCATTAAAGGCATACC
 CTTCTGGG

A**CGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200015 representing NM_016059
 Red=Cloning site Green=Tags(s)

MAAIPPDWQPPNVYLETSMGIIVLELYWKHAPKTKNFAELARRGYNGTKFHRIKDFMIQGGDPTGT
 GRGGASIYGKQFEDELHPDLKFTGAGILAMANAGPDTNGSQFFVTLAPTQWLDGKHTIFGRVCQGIGMVN
 RVGMVETNSQDRPVDDVKIIKAYPSG

T**R**TRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


| | |
|------------------------|---|
| ACCN: | NM_016059 |
| ORF Size: | 498 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: | <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. |
| Note: | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| RefSeq: | NM_016059.5 |
| RefSeq Size: | 1723 bp |
| RefSeq ORF: | 501 bp |
| Locus ID: | 51645 |

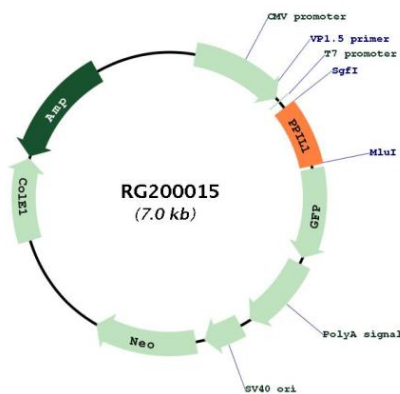
UniProt ID: [Q9Y3C6](#)

Cytogenetics: 6p21.2

Protein Pathways: Spliceosome

Gene Summary: This gene is a member of the cyclophilin family of peptidylprolyl isomerases (PPIases). 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. Based on similarity to other PPIases, this protein could accelerate the folding of proteins and might catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200015