

## Product datasheet for **RG201529**

### **PPIH (NM\_006347) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPIH (NM\_006347) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PPIH  
**Synonyms:** CYP-20; CYPH; SnuCyp-20; USA-CYP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG201529 representing NM\_006347  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGTGGCAAATTCAGTCCTGTTAACCCCGTGGTGTCTTTGATGTCAGTATTGGCGGTCAGGAAG  
 TTGGCCGCATGAAGATCGAGCTCTTTCAGACGTTGTGCCTAAGACGGCCGAGAAGTTAGGCAGTTCTG  
 CACCGGAGAATTCAGGAAAGATGGGTTCCAATAGGATACAAAGGAAGCACCTTCCACAGGGTCATAAAG  
 GATTTTCATGATTCAGGGTGGAGATTTTGTAAATGGAGATGGTACTGGAGTCGCCAGTATTACCGGGGGC  
 CATTTCAGATGAAAATTTAACTTAGACACTCAGCTCCAGGCCTGCTTCCATGGCGAACAGTGGTCC  
 AAGTACAAATGGCTGTCAGTTCTTATCACCTGCTCTAAGTGCATTGGCTGGATGGGAAGCATGTGGTG  
 TTTGGAAAAATCATCGATGGACTTCTAGTGATGAGAAAGATTGAGAAATGTTCCCACAGGCCCAACAATA  
 AGCCCAAGCTACCTGTGGTGATCTCGCAGTGTGGGGAGATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG201529 representing NM\_006347  
 Red=Cloning site Green=Tags(s)

MAVANSSPVNPVFFDVSIGGQEVGRMKIELFADVVPKTAENFRQFCTGEFRKDGVPVIGYKGFHRVIK  
 DFMIQGGDFVNGDGTGVASIVRGPFAENFKLRHSAPGLLSMANSGBPSTNGCQFFITCSKCDWLDGKHVV  
 FGKIIDGLLVMRKIENVPTGPNKPKLPVVISQCGEM

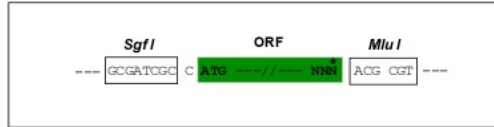
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

Cloning sites used for ORF Shutting:


**ACCN:** NM\_006347

**ORF Size:** 531 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\\_006347.4](#)
**RefSeq Size:** 813 bp

**RefSeq ORF:** 534 bp

**Locus ID:** 10465

**UniProt ID:** [O43447](#)

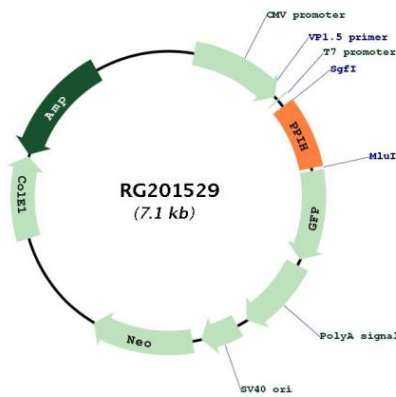
**Cytogenetics:** 1p34.2

**Domains:** pro\_isomerase

**Protein Pathways:** Spliceosome

**Gene Summary:** The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein is a specific component of the complex that includes pre-mRNA processing factors PRPF3, PRPF4, and PRPF18, as well as U4/U5/U6 tri-snRNP. This protein has been shown to possess PPIase activity and may act as a protein chaperone that mediates the interactions between different proteins inside the spliceosome. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG201529