

## Product datasheet for **SC310129**

### **PPIG (NM\_004792) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPIG (NM_004792) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPIG
Synonyms:	CARS-Cyp; CYP; SCAF10; SRCyp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >SC310129 representing NM\_004792.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGGAATAAAGGTTCAACGTCCTCGATGTTTTTTGACATTGCCATTAACAATCAACCTGCTGGAAGA
GTTGTCTTTGAATTATTTCTGATGTGTGCCCCAAAACATGCGAGAACTTTCGTGTCTTTGTACAGGT
GAAAAGGGGACCGGAAATCAACTCAGAAACCATTACATTATAAGAGTTGTCTTTTACAGAGTTGTC
AAGGATTTTATGTTCAAGGTGGTACTTCAGTGAAGAAATGGACGAGGAGGGGAATCTATCTATGGA
GGATTTTTTGAAGACGAGAGTTTCGCTGTTAAACACAACAAGAATTTCTTGTCAATGGCCAACAGA
GGGAAGGATACAAATGGTTCACAGTTTTCATAACAACGAAACCAACTCCTCATTAGATGGGCATCAT
GTTGTTTTTGGACAAGTAATCTCTGGTCAAGAAGTTGTAAGAGAGATTGAAAACAGAAAACAGATGCA
GCTAGCAAACCGTTTGGGAGGTACGGATACTCAGTTGTGGAGAGCTGATCCCAAATCTAAAGTTAAG
AAAGAAGAAAAGAAAAGGCATAAATCATCATCATCTTCTCCTCCTCATCTAGTGACTCAGATAGCTCA
AGTGATTCTCAGTCTCTCTGATTCTCTGATTCCGAAAGTGCTACTGAAGAGAAATCAAGAAAAGA
AAAAAGAAACATCGGAAAATTTCCCGAAAACACAGAAAGAAAAGAAAAGCGAAAAGAAAAGCAAGAAG
AGTGATCTAGTGAGAGTGAAGCTGAAAATCTGAAGCAACCCAGTCTACTGTCCGTCAGAAAGAG
ATCCCTCTATACCTGAAAATAGATTCTAATGAGAAAAAGTCTCTAAAGCTGATGAGAAGGAAAAGG
AAAAACAGAGAGAGAGAAAGGAAAGAGAGTGTAAATCCACCTAACTCCCAGCCTGCTTCATACCAGAGA
CGACTTTTAGTTACTAGATCTGGCAGGAAAATTAAGGAAGAGGACCAAGGCGTTATCGAACTCCTTCC
AGATCCAGATCAAGGGATCGTTTCAGACGTAGTGAGACTCCTCCACATTGGAGGCAAGAGATGCAGAGA
GCTCAAAGAATGAGGGTATCAAGTGGTAAAGATGGATCAAGGGGGATAAGAGTGAGTTGAATGAAATA
AAAGAAAATCAGAGAAGTCCAGTTAGAGTAAAAGAGAGAAAAATACAGATCACAGGAATGTATCTGAG
AGTCCAAACAGAAAAAATGAAAAGGAGAAGAAAGTTAAAGACCATAAATCTAACAGCAAAAGAGAGAGAC
ATCAGAAGAAATTCAGAAAAAGATGACAAGTATAAAAAACAAAGTGAAGAAAAGGGCCAAATCTAAAAGT
AGGAGTAAAGACAAAGAGAAATCAAAGAGTAAAGAAAGAGATTCAAAACATAATAGAAATGAAGAAAAG
AGGATGAGGTCAAGGAGTAAAGGAAGGGATCATGAAAATGTTAAAGAAAAAGAAAAGCAGTCTGATTCT
AAAGGAAAAGATCAGGAAAGGAGTAAAGTAAAGAGAAGTCTAAACAGTTAGAATCAAAGAGTAATGAG
CATGATCACAGTAAAAGTAAAGAAAAGGATAGACGCGCACAATCCAGGAGTAGAGAATGTGATAAAT
AAAGGTAACACAGTTATAATAGCAGAACAAGAGAACGAAGCAGAAGTAGGGACAGAAGCAGAAGAGTG
CGATCAAGAACCATGACAGAGATCGCAGCAGAAGCAAGGAGTACCATAGATACAGAGAACAGGAATAC
AGGAGAAGAGGACGGTCCGAAGCCGAGAGAGAAGAACACCACCGAAGATCAAGAAATGAAAGATAGG
AGGAGAAGGAGGAGAGACTCACGGAGCTCAGAGAGAGAAGAAAGTCAAAGCAGAAAACAAAGACAAATAC
AGAAACCAAGAGAGTAAGAGCTCACACAGAAAAGAAAATCTGAGAGTGAGAAAAGAAATGTACTCTAAA
AGTCGTGATCATAATAGCTCAAATAACAGCAGGAAAAAAAAGGCTGATAGAGATCAAAGTCCCTTCTCA
AAAATAAAACAAAGCAGTCAGGACAATGAATAAAGTCTCCATGTTGAAAAATAAGGAGGATGAGAAG
ATCAGATCCTCAGTGGAAAAAGAAAACCAAAAATCAAAGGTCAAGAAAATGACCATGTACATGAAAA
AATAAAAAATTTGATCATGAATCAAGCCCTGGAACAGATGAAGACAAAAGCGGATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_004792

**Insert Size:** 2265 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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_004792.2</a>
<b>RefSeq Size:</b>	2717 bp
<b>RefSeq ORF:</b>	2265 bp
<b>Locus ID:</b>	9360
<b>UniProt ID:</b>	<a href="#">Q13427</a>
<b>Cytogenetics:</b>	2q31.1
<b>Domains:</b>	pro_isomerase
<b>MW:</b>	88.6 kDa
<b>Gene Summary:</b>	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:20676357). May be implicated in the folding, transport, and assembly of proteins. May play an important role in the regulation of pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]