

## Product datasheet for **SC315891**

### PPRC1 (NM\_015062) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPRC1 (NM\_015062) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PPRC1  
**Synonyms:** PRC  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL6  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_015062 edited  
GGGCCAAGATGGCGGCGCGCCGGGACGGAGAGACGGAGTCGCGCCGCCCCCGAGTGGGG  
GCCCGGTCCGGACCCTGGCGGGGAGCCCGCGCAGTGGTTGGGGAAGTCGAAGCCAAG  
CGCCGTATGGGACTTTGGGCGCTGTGAGCGGCGCGAGCAGGTGCTGCTGCATGAGGAGG  
CGGGTATTCTGGCTTTGTGCTCTCTCGGCTGGGCCATCTCTGAGGACAAGGACC  
TGGAAATGGAGGAGCTAATGCTGCAGGATGAGACTGCTGGGGACCATGCAGAGCTACA  
TGGATGCCTCCCTATCTCCCTCATTGAGGATTTGGGAGCCTTGGAGAGCAGGTTAT  
CTCTGGAGGACCAGAATGAAGTGTGCTGCTCACGGCTCTGACGGAGATCTTGGACAATG  
CAGATTCTGAGAACCTTTCTCCATTTGACAGCATTCTGATTGAGGCTGCTTGTGTGAC  
CCCGGGAGGGCTCTCTGCAAGCTGCTTACTCTCTCGGACACCCCAAGCGT  
ACCTCATACCCAGTTGACCCACTGGGGCCAGTACAGGCAGCAGTAGAGGGAGTGGGG  
TTGAAATGTCTTCCAGATCCCTCTTGGGACTTCTCCCAACCCTTTCTTAGAGACCT  
CTTCCCCAAGCTTCTAGCTGGAGACCCCAAGATCAAGACCACGCTGGGGCCAATCCC  
CACCTCCCCAGCAGCGCAGTGTGAGAGAAGAAGAGGAGGAGTGGCCAGCTTCAGTGGCC  
AGATTCTTGCCGGGAGCTTGACAAGTGTGAGCAGTATCCCGGACTTCCCATGCATT  
TGGCCTGCCCTGAGGAGGAAGATAAAGCAACAGCAGCAGAGATGGCAGTCCAGCAGCTG  
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CCAACCTCACCCACCTGGCATCACTTGTGAGGATGAGCTTCCAGGAGCAGCCAGATGATTGA  
CACTGCCCTGAGGGCTGCGTAGTGTGGAGATTGTGGGGCAGCCAGCCAGCTGGCGATG  
ACCTGGAGATCCAGTTGTGGTGCAGAGTCTCTCTGGACCCCGCCTGTGCTCTGG  
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CAGAGGAGAAGCTGGACTCAGCCTGCTTATTGAAGCCAGGGAGGTCGTGGAGCCGGTGG  
TGCCCAAGGAGCCTCAGAACCCACCTGCCAATGCAGCACCAGGTTCCAGAGAGCTCGAA  
AGGGCAGGAAGAAGAAGCAAGGAGCAGCCAGCAGCCTGTGTGGAAGGCTATGCCAGGA  
GGCTGAGGTCATTTCTCGCGGGCAGTCTACTGTAGGTACAGAAGTGACCTCTCAGGTAG  
ACAACCTGCAGAAACAGCCTCAGGAAGAACTTCAAAAAGAGTCTGGGCTCTCCAGGGTA



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AGGGGAAGCCCCGGGCTTGGGCTCGGGCTGGGCAGCTGCCTTGGAGAATTCTAGCCCTA  
 AGAACTTGAGAGAAGTCTGGACAAAGTAGCCTGCTAAAGAAGGCCCTCTAGACCTCT  
 ACCCAAAGCTGGCTGACACTATCCAAACCAATCCTATACCAACCCATCTCTCATTGGTCG  
 ACTCTGCCAAGCCAGCCCCATGCCAGTTGACTCTGTTGAAGCTGATCCCACTGCAGTTG  
 GCCCTGTTCTAGCTGGCCCTGTACCTGTTGACCCTGGGTTGGTTGACCTTGCTTCAACCA  
 GCTCAGAACTGGTTGAGCCTCTCCCGCTGAGCCAGTGTGATCAACCCAGTCTGGCTG  
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 CTGTCCCGTCTGGCCAGCACCAGTTGATCTAGCACTGGTTGACCCTGTTCTAATGACC  
 TGACTCCAGTTGACCCAGTGCTAGTTAAGTCCAGACCAACTGATCCAGACGTGGTGACG  
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 ATTGTGTCCGGAGCAGGACCCCCCAAAAAGATGCCTGCCCTAGTCAATCCAGAGGTGG  
 GCTCCCGATGGAATGTCAAGCGCCATCAGGACATCACCATCAAACCTGTCTTGTCTTGG  
 GCCAGCTGCCCTCCGCCCCATGCATAGCTGCCTCCCGGGAGCCGCTTGATCACAGGA  
 CTAGCAGTGAGCAGGCAGATCCCTCAGCACCCCTGCCTTGGCCCATCCAGCTTGTGTCCC  
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 AGCAGCGGTCAATGCGCTGTTACCGAAAAGCCTGCAGGTGAGCCAGCCCCCAAGCCAGG  
 GCTGGCAGGGCCCGGAGGCCGCAACAGCCGTTCTGTGAGCTCTGGGTCCAACCGGACTA  
 GCGAAGCATTTCTCTCATCTCATCTGCTTCTCTCATCCGATCTCGGTCCAGGTCCC  
 TCTCCCCCCACACAAGAGGTGGCGAAGTCCAGCTGTAGTTCTCTGGACGTTCTCGAA  
 GATGCTTCTCTTCTTCTCGTATCATCTTCTCTTCTGCTTCTCTCATCTCATCATCCA  
 GTTCTCGAAGCCGCTCACGATCCCCATCCCCCGCCGAGAAGTGACAGGAGGGCGCGGT  
 ACAGCTTTATCGTTACATGACCATTACCAAAGGCAAAGAGTGTACAAAAGGAGCGTG  
 CAATAGAAGAAAGAGGGTGGTCTTCAATTGAAAGATACCTGGCCGATGACTCGATCAG

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AGCTGAAACAGAGGTTCTCCGTTTTGGAGAGATTGAGGAGTGCACCATCCAATTCCGTTG
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TTGAGAGTGGCCACAAGCTGCGGCAGGCAGATGAGCAGCCCTTTGATCTCTGCTTTGGGG
GCCGAAGGCAGTTCTGCAAGAGGAGCTATTCTGATCTTGACTCCAACCGGAAGACTTTG
ACCCAGCACCTGTAAGAGCAAATTTGATTCTCTTGACTTTGACACATTGTTGAAACAGG
CCCAGAAGAACCTCAGGAGGTAACCTTGGGCCCTTCCCTGCTATCCTTTTTCTCCTTTGG
AGGTGCCCAACCTCCTCCACCCCTTCCCCTACTCTAGGGGAGAGAGCTGCTAGTGAGAT
GACTGTTTTATAAAGAAATGGAAGAAAGTAAATAAAAATATGTTGAATCAGATTTTTT
AAAAGGGGTATTTGTTTTTTATAACAGGTATTGAAACAAGTTAACTTGCATTCCTATGT
AAGATAGGAGGGGCTGAGGGGATCCCCAGTGTTTGAACATAAGTCACTATGCAGACTAA
TAAACATCAACTAGAGAGAACTCCCAAAAAAAAAAAAAAAAAAAAA

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**Restriction Sites:** NotI-NotI

**ACCN:** NM\_015062

**Insert Size:** 5300 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_015062.3.

**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\\_015062.3](#), [NP\\_055877.3](#)

**RefSeq Size:** 5354 bp

**RefSeq ORF:** 4995 bp

**Locus ID:** 23082

UniProt ID:	<u>Q5VV67</u>
Cytogenetics:	10q24.32
Domains:	RRM
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is similar to PPAR-gamma coactivator 1 (PPARGC1/PGC-1), a protein that can activate mitochondrial biogenesis in part through a direct interaction with nuclear respiratory factor 1 (NRF1). This protein has been shown to interact with NRF1. It is thought to be a functional relative of PPAR-gamma coactivator 1 that activates mitochondrial biogenesis through NRF1 in response to proliferative signals. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>