

## Product datasheet for **SC338069**

### PPRC1 (NM\_001288728) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPRC1 (NM_001288728) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPRC1
Synonyms:	PRC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001288728, the custom clone sequence may differ by one or more nucleotides

```
ATGAGACACTGCTGGGGACCATGCAGAGCTACATGGATGCCTCCCTTATCTCCCTCATTGAGGATTTTGG
GAGCCTTGAGAGCATTCTGATTTCGGAGCTGCTTGTCACCCCGGGAGGGCTCCTCTCTGCACAAGCT
GCTTACTCTCTCGGACACCCCAAGAAGCTGACCTCATCACCCAGTTGACCCACTGGGGCCAGTACA
GGCAGCAGTAGAGGGAGTGGGGTTGAAATGTCTCTTCCAGATCCCTCTGGGACTTCTCCCCACCTCTT
TCTTAGAGACCTTCCCCAAGCTTCTAGCTGGAGACCCCAAGATCAAGACCAGCTGGGGCCAATC
CCCACCTCCCAGCAGCGCAGTATGGAGAAGAAGAGGAGGAGGTGGCCAGCTTCAGTGGCCAGATTCTT
GCCGGGAGCTTGACAAGTGTGAGCAGTATCCCGGACTTCCCATGCATTTGGCTGCCCTGAGGAGG
AAGATAAAGCAACAGCAGCAGAGATGGCAGTGCCAGCAGCTGGTATGAGAGCATCTCCTCCTGAGTGA
GCTGGTGCGGCCATGCACCCATACTGCCTGCCAACCTCACCCACCTGGCATCACTTGAGGATGAGCTT
CAGGAGCAGCCAGATGATTTGACACTGCCTGAGGGCTGCGTAGTGCTGGAGATTGTGGGGCAGGCAGCCA
CAGCTGGCGATGACCTGGAGATCCCAGTTGGTGGCAGAGGTCTCTCCTGGACCCCGGCCTGTGCTCCT
GGATGACTCGCTAGAGACTAGTTCTGCCTTGCAGCTGCTTATGCCTACACTGGAGTCAGAGACAGAGGCT
GCTGTGCCAAGGTAACCCTCTGCTCTGAGAAAGAGGGGTTGTCATTGAACTCAGAGGAGAAGCTGGACT
CAGCCTGCTTATTGAAGCCCAGGGAGGTCGTGGAGCCGGTGGTGGCCAAGGAGCCTCAGAAGCCACCTGC
CAATGCAGCACCAGGTTCCCAGAGAGCTCGAAAGGGCAGGAAGAAGAAGCAAGGAGCAGCCAGCAGCC
TGTGTGGAAGGCTATGCCAGGAGGCTGAGGTATCTTCTCGCGGCAGTCTACTGTAGGTACAGAAGTGA
CCTCTCAGGTAGACAAGTTCAGAAACAGCCTCAGGAAGAAGTTCAAAAAGAGTCTGGGCCTCTCCAGGG
TAAGGGGAAGCCCGGGCTTGGGCTCGGCCTGGGCAGCTGCCTTGAGAAATTCTAGCCCTAAGAAGTGTG
GAGAGAAGTGTGGACAAAGTAGTCTGCTAAAGAAGGCCCTCTAGACCTCTACCCAAAGCTGGCTGACA
CTATCCAAACCAATCCTATACCAACCCATCTCTCATTGGTCGACTCTGCCAAGCCAGCCCCATGCCAGT
TGACTCTGTTGAAGCTGATCCCAGTTCAGTGGCCCTGTCTAGCTGGCCCTGTACCTGTTGACCCTGGG
TTGGTTGACCTTGCTTCAACCAGCTCAGAACTGGTTGAGCCTCTCCCGGCTGAGCCAGTGTGATCAACC
CAGTCTGGCTGACTCAGCAGCAGTTGACCCTGCAGTGGTTCCCATCTCAGATAACTTGCCACCAGTTGA
```



TGCTGTCCCGTCTGGCCAGCACCAAGTTGATCTAGCACTGGTTGACCCTGTTCTAATGACCTGACTCCA  
 GTTGACCCAGTGTAGTTAAGTCCAGACCAACTGATCCCAGACGTGGTGCAGTGTATCAGCCCTGGGGG  
 GTTCAGCACCCAGCTCCTCGTGGAGTCAAGTCTTGGACCCACCAAAGACCATCATCCCTGAAGTCAA  
 AGAGGTTGTGGATTCTCTGAAAATTGAAAGTGGTACCAGTGTACAACCCATGAAGCCAGACCTCGGCT  
 CTCAGCTTATCTGAGTACCGGCGACGAAGGCAGCAACGCCAAGCAGAAACAGAAGAGAGAAGTCCACAGC  
 CCCCACCTGGGAAAGTGGCTAGCCTTCCAGAGACTCCCACAGGGCTGGCAGACATCCCTTGTCTTGTCT  
 CCCACCAGCCCAAGCAAGACAGCTCTGCAGAGAAGCCCTGAAACACCCCTTGAGATTTGCCTTGTG  
 CCTGTAGTCCCAGCCCTGCTTCTCCTAGTCTGAGCCACCTGTAAACAAACCTGTGGCCTCATCTCCA  
 CTGAGCAGGTGCCATCCCAGGAGATGCCACTGTTGGCGAGACCTTCCCCTCCTGTGCAGTCTGTGTCCC  
 TGCTGTGCCACACCTCCCTCGATGTCTGCTGCCCTGCCTTTCCCTGCAGGTGGGCTTGGCATGCCCC  
 AGTCTGCCCCACCTCCCTTGCAGCCTCCTAGTCTTCCATTGTCTATGGGGCCAGTACTACCTGATCCGT  
 TTACTIONACTATGCCCCCTTGGCATCCTGGCCTTGTATCCTCATGTGTCCCCTTCTGGCTATCCTTGCCT  
 GCCCCCCCACCACCGGTGCCCTAGTGTCTGGTACTCCTGGTGCCTATGCCGTGCCTCCACTTGCAGT  
 GTGCCTTGGGCACCCCTCCTGCCCCAGTCTCACCTTACAGTTCACATGTACCTATGGGCCCTTGGGAT  
 GGGGCCAGGGCCTCAACATGCTCCATTCTGGTCTACTGTTCCCCACCTCCTTGGCTCCAGCCTCCAT  
 TGGGAGAGCTGTCCCAACCTAAAATGGAGTCTAGGGGCACTCCAGCTGGCCCTCCTGAAAATGTACTT  
 CCCTTGTGATGGCTCCTCCCCTCAGTCTTGGGCTACCTGGCCATGGAGCTCCTCAGACAGAGCCTACCA  
 AAGTGGAGGTCAAGCCAGTGCCTGCATCTCCCATCCGAAACACAAGGTGTCTGCCCTGGTGCAAAGTCC  
 CCAGATGAAGGCTTAGCATGTGTGTCTGCTGAAGGTGTGACTGTTGAGGAGCCTGCATCAGAGAGGCTA  
 AAGCCTGAGACCAAGAGACCAGGCCAGGGAGAAGCCCCCTTGGCTGTACCAAGGCTGTTCCACAC  
 CAAGGCAGAGCACTGTCCCAAGCTGCCTGTGTCCACCCAGCCCGTCTAAGGAAGCTGTCTTCTGCC  
 TACCCACGTACTIONCAGGGTTCTGAAGATGTGGTACAGGCTTTCATCAGTGAATTGGAATTGAGGCATCG  
 GACCTGTCCAGTCTGCTGGAGCAGTTTGAAGAAATCAGAAGCCAAAAGGAGTGTCTCCTCCGGCTCCTG  
 CTGACAGCTTGGCTGTAGGAAACTCAGGGCGCTTGACATTTCCCAGGAGAAGAGGCCCTAGACCGGTT  
 ACAAGCCCCAGAACTGGCCAACGTGGCAGGGCTCACCCCTCCAGCTACCCCTCCCCACCAGTTATGGAAG  
 CCCCTGGCTGCTGTCTACTGCTGGCCAAAGCCAAATCTCCTAAGTCCACCGCCAGGAGGGAACCTTGA  
 AGCCTGAAGGAGTTACGGAGGCCAAACATCCAGCTGCAGTTCGCCTCCAAGAAGGGTCCATGGCCCTAG  
 TCGAGTCCATGTGGGCTCTGGGGACCATGACTATTGTGTCCGGAGCAGGACCCCCCAAAAAGATGCCT  
 GCCCTAGTCAATCCAGAGGTGGGCTCCCGATGGAATGTCAAGCGCCATCAGGACATCACCATCAAACCTG  
 TCTTGTCTTGGGCCAGCTGCCCTCCGCCCATGCATAGCTGCCTCCCGGAGCCGCTTGTATCAGAG  
 GACTAGCAGTGTGAGCAGGAGATCCCTCAGCACCCTGCCTTGGCCATCCAGCTTGTGTCCCTGAGGCC  
 TACCCTGCCGAATGACATGAACACTAGGACTCCCCCTGAACCTCAGCCAAGCAGCGGTCAATGCCT  
 GTTACCGAAAAGCCTGCAGGTGACCCAGCCCTCAAGCCAGGGCTGGCAGGGCCGCGAGGCCGCAACAG  
 CCGTTCTGTGAGCTCTGGGTCCAACCGACTAGCGAAGCATCTTCTCATCTCATCATGCTTCTCTCA  
 TCCCGATCTCGGTCCAGGTCCCTCTCCCCCCACACAAGAGGTGGCGAAGGTCCAGCTGTAGTCTCTG  
 GACGTTCTCGAAGATGCTCTTCTTCTTCTGTCATCATCTTCTCTTCTGCTTCTCTCATCTCATCATC  
 CAGTCTCGAAGCCGCTCAGATCCCCATCCCCCGCCGAGAAGTGACAGGAGGCGGCTCTTATCGT  
 TCACATGACCATTACCAAAGGCAAAGAGTGTACAAAAGGAGCGTGCAATAGAAGAAAGAAGGGTGGTCT  
 TCATTGAAAAGATACCTGGCCGATGACTCGATCAGAGCTGAAACAGAGGTTCTCCGTTTTTGGAGAGAT  
 TGAGGAGTGCACCATCCACTCCGTGTCCAAGGGACAACACTACGGCTTCGTCACTTATCGCTATGCTGAG  
 GAGGCATTTGAGCCATTGAGAGTGGCCACAAGCTGCGGCAGGCAGATGAGCAGCCCTTGTATCTGCT  
 TTGGGGCCGAAGGCAGTTCTGCAAGAGGAGCTATTCTGATCTTGACTCCAACCGGGAAGACTTTGACCC  
 AGCACCTGTAAGAGCAAATTTGATTCTTGTACTTTGACACATTGTTGAAACAGGCCAGGAAGAACCTC  
 AGGAGGTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM\_001288728

<b>OTI Disclaimer:</b>	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>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_001288728.1</a> , <a href="#">NP_001275657.1</a>
<b>RefSeq Size:</b>	5283 bp
<b>RefSeq ORF:</b>	4629 bp
<b>Locus ID:</b>	23082
<b>UniProt ID:</b>	<a href="#">Q5VV67</a>
<b>Cytogenetics:</b>	10q24.32
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<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 (3) uses an alternate splice site in the 5' coding region and initiates translation at an alternate start codon, which leads to a frameshift, compared to variant 1. The encoded isoform (3) has a shorter and distinct N-terminus, compared to isoform 1.</p>