

Product datasheet for SC338024

PPRC1 (NM_001288727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPRC1 (NM_001288727) 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_001288727, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCGCGCCGGGACGGAGAGACGGAGTCGCGCCGCCCGAGTGGGGGCCCGGTCCGGACCTG
 GCGGGGGAGCCCGCGGAGTGGTTGGGGAAGTCGAAGCCAAGCGCGTATGGGACTTTGGGCGCTGTGAG
 CGGCGGCGAGCAGGTGCTGCTGCATGAGGAGCGGGTGATTCTGGCTTTGTCAGTCTCTCTCGGCTGGG
 CCATCTCTGAGGGACAAGGACCTGGAAATGGAGGAGCTAATGCTGCAGGATGAGACACTGCTGGGACCA
 TGCAGAGCTACATGGATGCCTCCCTTATCTCCCTCATTGAGGATTTTGGGAGCCTGGAGAGAGCAGGTT
 ATCTCTGGAGGACCAGAATGAAGTGTGCTGCTCACGGCTCTGACGGAGATCTTGACAATGCAGATTCT
 GAGAACCTTTCTCCATTTGACAGCATTCTGATTCTGGAGCTGCTTGTGTACCCCGGGAGGGCTCCTCTC
 TGCACAAGCTGCTTACTCTCTCTCGGACACCCCAAGACGTGACCTCATCACCCAGTTGACCCACTGGG
 GCCCAGTACAGGCAGCAGTAGAGGGAGTGGGGTTGAAATGTCTCTTCCAGATCCCTCTTGGGACTTCTCC
 CCACCTCTTTCTTAGAGACCTCTTCCCCCAAGCTTCTAGCTGGAGACCCCAAGATCAAGACCAGCT
 GGGGCCAATCCCCACCTCCCCAGCAGCGCAGTGATGGAGAAGAAGAGGAGGAGGTGGCCAGCTTCAGTGG
 CCAGATTCTTGCCGGGGAGCTTGACAACGTGTGAGCAGTATCCCGGACTTCCCCATGCATTTGGCCTGC
 CCTGAGGAGGAAGATAAAGCAACAGCAGCAGAGATGGCAGTGCCAGCAGCTGGTGATGAGAGCATCTCT
 CCCTGAGTGAGCTGGTGCGGGCCATGCACCCATACTGCCTGCCAACCTCACCCACCTGGCATCACTTGA
 GGATGAGCTTCAGGAGCAGCCAGATGATTGACACTGCCTGAGGGCTGCGTAGTGCTGGAGATTGTGGGG
 CAGGCAGCCACAGCTGGCGATGACCTGGAGATCCCAAGTTGTGGTGACAGGTCTCTCTGGACCCCGGC
 CTGTGCTCCTGGATGACTCGCTAGAGACTAGTTCTGCCTTGACAGTGCTTATGCCTACACTGGAGTCAGA
 GACAGAGGCTGCTGTGCCAAGGTAACCTCTGCTCTGAGAAAGAGGGGTTGTATTGAACCTCAGAGGAG
 AAGCTGGACTCAGCCTGCTTATTGAAGCCAGGGAGGTCGTGGAGCCGGTGGTGGCCAAGGAGCCTCAGA
 ACCCACCTGCCAATGCAGCACCAGGTTCCAGAGAGCTCGAAAGGGCAGGAAGAAGAAGCAAGGAGCA
 GCCAGCAGCTGTGTGAAGGCTATGCCAGGAGGCTGAGGTCATCTTCTCGCGGGCAGTCTACTGTAGGT
 ACAGAAGTGACCTCTCAGGTAGACAACCTGCAGAAACAGCCTCAGGAAGAAGTTCAAAAAGAGTCTGGGC
 CTCTCCAGGGTAAGGGGAAGCCCGGGCTTGGGCTCGGCCTGGGCAGCTGCCTTGAGAATTCTAGCCC


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TAAGAACTTGGAGAGAAGTGCTGGACAAAGTAGTCCTGCTAAAGAAGGCCCTCTAGACCTCTACCCAAAG
CTGGCTGACACTATCCAAACCAATCCTATACCAACCCATCTCTCATTGGTCGACTCTGCCAAGCCAGCC
CCATGCCAGTTGACTCTGTTGAAGCTGATCCCACTGCAGTTGGCCCTGTTCTAGCTGGCCCTGTACCTGT
TGACCTTGGGTTGGTTGACCTTGCTTCAACCAGCTCAGAACTGGTTGAGCCTCTCCCGGCTGAGCCAGTG
CTGATCAACCCAGTCTGGCTGACTCAGCAGCAGTTGACCCTGCAGTGGTTCCCATCTCAGATAACTTGC
CACCAGTTGATGCTGTCCCGTCTGGCCCAGCACCAGTTGATCTAGCACTGGTTGACCCTGTTCTCTAATGA
CCTGACTCCAGTTGACCCAGTCTAGTTAAGTCCAGACCAACTGATCCAGACGTGGTGCACTGTGCATCA
GCCCTGGGGGTTTCAGCACCCAGCTCCTCGTGGAGTCAGAGTCCTTGGACCCACCAAAGACCATCATCC
CTGAAGTCAAAGAGGTTGTGGATTCTCTGAAAATTGAAAGTGGTACCAGTGCTACAACCCATGAAGCCAG
ACCTCGGCCTCTCAGCTTATCTGAGTACCGCGACGAAGGCAGCAACGCCAAGCAGAAACAGAAGAGAGA
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GTCTTGTCTATCCACAGCCCCAGCCAAGAAGACAGCTCTGCAGAGAAGCCCTGAAACACCCCTTGAGAT
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TCATCTCCCACTGAGCAGGTGCCATCCCAGGAGATGCCACTGTTGGCAGACCTTCCCTCTGTGCAGT
CTGTGTCCCTGCTGTGCCACACCTCCCTCGATGTCTGCTGCCCTGCCTTCCCTGCAGGTGGGCTTGG
CATGCCCCCAGTCTGCCCCACCTCCCTTGCAGCCTCCTAGTCTTCCATTGTCTATGGGGCCAGTACTA
CCTGATCCGTTTACTCACTATGCCCCCTTGCCATCCTGGCCTTGTATCCTCATGTGTCCCTTCTGGCT
ATCCTTGCTGCCCCCCCCACCAACGGTGCCCTAGTGTCTGGTACTCCTGGTGCCTATGCCGTGCCTCC
CACTTGCACTGTGCCTTGGGCACCCCTCCTGCCCCAGTCTCACCTTACAGTTCCACATGTACCTATGGG
CCCTTGGGATGGGGCCAGGGCCTCAACATGCTCCATTCTGGTCTACTGTTCCCCACCTCCTTTGCCTC
CAGCCTCCATTGGGAGAGCTGTTCCCCAACCTAAATGGAGTCTAGGGGCACTCCAGTGGCCCTCCTGA
AAATGTACTTCCCTTGTGATGGCTCCTCCCTCAGTCTTGGGCTACCTGGCCATGGAGCTCCTCAGACA
GAGCCTACCAAGGTGGAGGTCAAGCCAGTGCCTGCATCTCCCATCCGAAACACAAGGTGTCTGCCCTGG
TGCAAGTCCCCAGATGAAGGCTTAGCATGTGTCTGCTGAAGGTGTGACTGTTGAGGAGCCTGCATC
AGAGAGGCTAAAGCCTGAGACCAAGAGACCAGGCCAGGGAGAAGCCCCCTTGCTGCTACCAAGGCT
GTTCCACACCAAGGCAGAGCACTGTCCCAAGCTGCCTGCTGTCCACCCAGCCGCTAAGGAAGCTGT
CCTTCTGCTACCCACGTAAGGTTCTGAAGATGTGGTACAGGCTTTCATCAGTGAAGATTGGAAT
TGAGGCATCGGACCTGTCCAGTCTGCTGGAGCAGTTTGAAGATCAGAAGCCAAAAGGAGTGTCTCTCT
CCGGCTCTGCTGACAGCTTGGCTGTAGGAACTCAGGGTCCAGCTGTAGTCTCTGACGTTCTCGAA
GATGCTCTTCTCTTCTCGTCATCATCTTCTCTTCTGCTTCTCTCATCCTCATCATCAGTTCTCGAAG
CCGCTCAGATCCCCATCCCCCGCCGAGAAGTGACAGGAGGCGCGGTACAGCTCTTATCGTTACAT
GACCATACCAAAGGCAAGAGTGCTACAAAAGGAGCGTCAATAGAAGAAAGAGGGTGGTCTTATTG
GAAAGATACCTGGCCGATGACTCGATCAGAGCTGAAACAGAGGTTCTCCGTTTTTGAGAGATTGAGGA
GTGCACCATCCACTTCCGTGTCCAAGGGGACAACACGGCTTCTGCACTTATCGCTATGCTGAGGAGGCA
TTTGCAGCCATTGAGAGTGGCCACAAGCTGCGGCAGGCAGATGAGCAGCCCTTGTATCTGTCTTGGGG
GCCGAAGGCAGTTCTGCAAGAGGAGCTATTCTGATCTTGACTCCAACCGGAAGACTTTGACCCAGCACC
TGTAAGAGCAAATTTGATTCTCTTGACTTTGACACATTGTTGAAACAGGCCCAGAAGAACCTCAGGAGG
TAA

Restriction Sites: SgfI-MluI

ACCN: NM_001288727

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).

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_001288727.1, NP_001275656.1

RefSeq Size: 4598 bp

RefSeq ORF: 4203 bp

Locus ID: 23082

UniProt ID: Q5VV67

Cytogenetics: 10q24.32

Protein Families: Druggable Genome

Gene Summary: 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]
 Transcript Variant: This variant (2) lacks two exons in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.