

Product datasheet for **RN202403**

Ppargc1a (NM_031347) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppargc1a (NM_031347) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppargc1a
Synonyms:	Ppargc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202403 representing NM_031347
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTGGGACATGTGCAGCCAAGACTCTGTATGGAGTGACATAGAGTGTGCTGCCCTGGTTGGTGAGG
 ACCAGCCTCTTTGCCAGATCTTCTGAACTTGACCTTTCTGAACTTGATGTGAATGACCTGGACACAGA
 CAGCTTTCTGGGTGGATTGAAGTGGTGTAGTGACCAATCAGAAATCATATCCAACCACTACAACAATGAG
 CCCGCAACATATTCGAGAAGATAGATGAAGAGAATGAGGCAAACCTTGCTAGCGGTCTCACAGAGACAC
 TGGACAGTCTCCCGTGGATGAAGACGGATTGCCCTCATTTGATGCACTGACAGATGGAGACGTGACCAC
 TGACAACGAGGCCAGTCTTCTCCATGCCTGACGGCACCCCTCCCCCTCAGGAGGCAGAAGAGCCGTCT
 CTACTTAAAGAAGCTTTACTGGCGCCAGCCAACACTCAGCTCAGTACAATGAATGCAGCGGTCTTAGCA
 CTCAGAACCATGCAAACACACCACAGGATCAGAACAACCCCTGCCATTGTTAAGACCGAGAATTCATG
 GAGCAATAAAGCAAAGAGCATTTGTCAACAGCAAAGCCACAAAGACGTCCTCTGCTCAGAGCTTCTCAAG
 TATCTGACCACAAACGATGACCCTCTCACACCAAACCCACAGAGAACAGAAACAGCAGCAGAGACAAT
 GTGCTTCCAAAAAGAAAGTCCCATACACAACCGCAGTCGCAACATGCTCAAGCCAAACCAACAACCTTATC
 TCTTCTCTGACCCAGAGTCAACAAATGACCCCAAGGGTTCCCATTTGAGAACAAGACTATTGAGCGA
 ACCTTAAGTGTGGAACCTCTGGAACCTGACGGCCTAACTCTCCACGACTCCTCTCATAAAGCCAACC
 AAGATAACCCCTTCAAGGCTTCGCCAAGCTGAAGCCCTTTGCAAGACCGTGGTGCCACCACCAACAAA
 GAGGGCCCGGTACAGTGAGTGTCTGGTACCAAGGCAGCCACTCCACCAAGAAAGGGCCGGAGCAATCT
 GAGTTATACGCACAACCTCAGCAAGTCTCAGTGTCTCAGCCGAGGACACGAGGAAAGGAAGACTAAACGGC
 CCAGTACGGCTGTTTTGGTGATCATGACTACTGTGAGTCAATTCAAAACGGATATACTCATTAA
 CATATCACAGGAGCTCCAAGACTCTAGACAACCTAGACTTCAAAGATGCCTCTGTGACTGGCAGGGGCAC
 ATCTGTTCTTCCACAGATTCAAGCCAGTCTACCTGAGAGAGACTTTGGAGGCCAGCAAGCAGGTCTCTC
 CTTGCAGCACCAGAAAACAGCTCCAAGACCAGGAAATCCGAGCTGAGCTGAACAAGCACTTCGGTCATCC
 CAGTCAAGCTGTTTTGACGACAAAGTAGACAAGACCAGTGAACACGGGATGGCAACTTCAGTAATGAA
 CAATTCTCAAACCTACCTGTGTTTATAAATTCAGGACTAGCCATGGATGGCCTATTTGATGACAGTGAAG
 ATGAAAATGATAAACTGAGCTACCCTGGGATGGCAGCAGTCTATTTCATTGTTGATGTGCGCCTTC
 TTGCTCTTCTTTAACTCTCCGTGTCGAGATTCAGTGTACCACCGAAATCCTTATTTTCTCAAAGACCC
 CAAAGGATGCGCTCTCGTTCGAGATCCTTTTCTCGACACAGGTCTGTGTTCCCGATCACCATATCCAGGT
 CAAGATCAAGGTCCCAGGCAGTATCCTCTTCAAGATCCTGTTACTATTATGAATCAAGCCACTACAG
 ACACCGCACACATCGCAATTCTCCCTTGTATGTGAGATCAGTTCAAGGTCAACCTACAGCCGTAGGCC
 AGGTATGACAGCTATGAAGCCAATGAGCAGCAAAGGCTCAAGAGGGACGAATACCGCAGAGAGTATGAGA
 AGCGGGAGTCTGAAAGGGCCAAGCAGAGAGAGAGGCAGAAGCAGAAAGCAATTGAAGAGCGCCGTGTGAT
 TTACGTTGGTAAAATCAGACCTGACACAACGCGGACAGAAGTGAAGAGCCGCTTTGAAGTTTTGGTGAA
 ATTGAGGAATGCACCGTAAATCTGCGGGATGATGGAGACAGCTATGGTTTCATTACCTACCGTTACACCT
 GTGACGCTTTGCTGCTCTTGAAGTGGATATACTTTACGCAGGTGCAATGAAACTGACTTCGAGCTGTA
 CTTTTGTGGACGGAAGCAATTTTTCAAGTCTAACTATGCAGACCTAGATTCAAACCTCAGACGATTTTGAC
 CCTGCTTCCACCAAGAGCAAGTATGACTCTCTGGATTTTGATAGTTTACTGAAGGAAGCTCAGAGAAGCT
 TCGCAGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3217_c10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_031347

Insert Size: 2391 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
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:	<ol style="list-style-type: none"> 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:	<u>NM_031347.1, NP_112637.1</u>
RefSeq Size:	2440 bp
RefSeq ORF:	2391 bp
Locus ID:	83516
UniProt ID:	<u>Q9QYK2</u>
Cytogenetics:	14q11
Gene Summary:	nuclear receptor coactivator; may mediate glucose homeostasis, and lipid homeostasis [RGD, Feb 2006]