

## Product datasheet for **MC216282**

### **Ppara (NM\_011144) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppara (NM_011144) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppara
Synonyms:	4933429D07Rik; AW742785; Nr1c1; Ppar; PPAR-alpha; PPARalpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216282 representing NM\_011144  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGACACAGAGAGCCCCATCTGTCTCTCTCCCACTGGAGGCAGATGACCTGGAAAGTCCCTTAT  
 CTGAAGAATTCTTACAAGAAATGGGAAACATTCAGAGATTTCTCAGTCCATCGGTGAGGAGAGCTCTGG  
 AAGCTTTGGTTTTGCAGACTACCACTACTTAGGAAGCTGTCCGGGCTCCGAGGGCTCTGTATCACAGAC  
 ACCCTCTCTCCAGCTTCCAGCCCTTCTCAGTCAGCTGCCCGTGATCCCGCCAGCAGCGGACGAGTCCC  
 CCGGCAGTGCCCTGAACATCGAGTGTGAATATGTGGGACAAGGCCTCAGGGTACCACTACGGAGTTCA  
 CGCATGTGAAGGCTGTAAAGGCTTCTTTTCGCGCAACTATTCGGCTGAAGCTGGTGTACGACAAGTGTGAT  
 CGGAGCTGCAAGATTGAGAAGAAGAACCGAACAATGCCAGTACTGCCGTTTTTACAAGTGCCTGTCTG  
 TCGGGATGTACACAATGCAATTCGCTTTGGAAGAATGCCAAGATCTGAAAAAGCAAACTGAAAGCAGA  
 AATTCTTACCTGTGAACACGACCTGAAAGATTCGAAACTGCAGACCTCAAATCTCTGGCAAGAGAATC  
 CACGAAGCCTACCTGAAGAACTTCAACATGAACAAGGTCAAGGCCGGGTCACTACTCGCGGAAAGACCA  
 GCAACAACCCGCCTTTTGTATACATGACATGGAGACCTTGTGTATGGCCGAGAAGACGCTTGTGGCCAA  
 GATGGTGGCCAAACGGCGTCGAAGACAAAGAGGCAGAGGTCGATCTTCCACTGCTGCCAGTGCATGTCC  
 GTGGAGACCGTACCGGAGCTCACAGAAATTTGCCAAGGCTATCCCAGGCTTTGCAAACTTGGACTTGAACG  
 ACCAAGTCACCTTGCTAAAGTACGGTGTGTATGAAGCCATCTTCCAGATGCTGTCTCTCTTATGAACAA  
 AGACGGGATGCTGATCGCGTACGGCAATGGCTTTATCACACGCGAGTTCCTTAAGAACCTGAGGAAGCCG  
 TTCTGTGACATCATGGAACCAAGTTTGACTTCGCTATGAAGTTCAATGCCTTAGAACTGGATGACAGTG  
 ACATTTCCCTGTTTGTGGCTGCTATAATTTGCTGTGGAGATCGGCCTGGCCTTCTAAACATAGGCTACAT  
 TGAGAAGTTGCAGGAGGGGATTGTGCACGTGCTTAAGCTCCACCTGCAGAGCAACCATCCAGATGACACC  
 TTCTCTTCCAAAGCTCCTTCAAAAAATGGTGGACCTTCGCGAGCTGGTACGGAGCATGCGCAGCTCG  
 TACAGGTCATCAAGAAGACCGAGTCCGACGCAGCGCTGCACCCACTGTTGCAAGAGATCTACAGAGACAT  
 G**TA**CTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_011144

**Insert Size:** 1407 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](#)

<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>	<u><a href="#">NM_011144.6</a></u> , <u><a href="#">NP_035274.2</a></u>
<b>RefSeq Size:</b>	7454 bp
<b>RefSeq ORF:</b>	1407 bp
<b>Locus ID:</b>	19013
<b>UniProt ID:</b>	<u><a href="#">P23204</a></u>
<b>Cytogenetics:</b>	15 40.42 cM
<b>Gene Summary:</b>	<p>Ligand-activated transcription factor. Key regulator of lipid metabolism. Activated by the endogenous ligand 1-palmitoyl-2-oleoyl-sn-glycerol-3-phosphocholine (16:0/18:1-GPC). Activated by oleylethanolamide, a naturally occurring lipid that regulates satiety. Receptor for peroxisome proliferators such as hypolipidemic drugs and fatty acids. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the ACOX1 and P450 genes. Transactivation activity requires heterodimerization with RXRA and is antagonized by NR2C2. May be required for the propagation of clock information to metabolic pathways regulated by PER2.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>