

## Product datasheet for **MR227641**

### **Ppara (NM\_011144) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppara (NM_011144) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR227641 representing NM\_011144  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGACACAGAGAGCCCCATCTGTCTCTCTCCCACTGGAGGCAGATGACCTGAAAGTCCCTTAT  
 CTGAAGAATTCTTACAAGAAATGGGAAACATTCAGAGATTTCTCAGTCCATCGGTGAGGAGAGCTCTGG  
 AAGCTTTGGTTTTGCAGACTACCACTACTTAGGAAGCTGTCCGGGCTCCGAGGGCTCTGTATCACAGAC  
 ACCCTCTCTCCAGCTTCCAGCCCTTCTCAGTCAGCTGCCCGTGATCCCGCCAGCAGCGGACGAGTCCC  
 CCGGCAGTGCCCTGAACATCGAGTGTGAATATGTGGGACAAGGCCTCAGGGTACCACTACGGAGTTCA  
 CGCATGTGAAGGCTGTAAGGGCTTCTTTCGCGCAACTATTCGGCTGAAGCTGGTGTACGACAAGTGTGAT  
 CGGAGCTGCAAGATTGAGAAGAAGAACCGAACAATGCCAGTACTGCCGTTTTTACAAGTGCCTGTCTG  
 TCGGGATGTACACAATGCAATTCGCTTTGGAAGAATGCCAAGATCTGAAAAAGCAAACTGAAAGCAGA  
 AATTCTTACCTGTGAACACGACCTGAAAGATTCGGAAGTGCAGACCTCAAATCTCTGGCAAGAGAATC  
 CACGAAGCCTACCTGAAGAACTTCAACATGAACAAGGTCAAGGCCGGGTCACTCGCGGGAAAGACCA  
 GCAACAACCCGCCTTTTGTATACATGACATGGAGACCTTGTGTATGGCCGAGAAGACGCTTGTGGCCAA  
 GATGGTGGCCAAACGGCGTCAAGACAAAGAGGCAGAGGTCGATTCCTTCCACTGCTGCCAGTGCATGTCC  
 GTGGAGACCGTACCGGAGCTCACAGAAATTTGCCAAGGCTATCCCAGGCTTTGCAAACTTGGACTTGAACG  
 ACCAAGTACCTTGCTAAAGTACGGTGTGTATGAAGCCATCTTCCAGTGTCTCTCTTGTATGAACAA  
 AGACGGGATGCTGATCGCGTACGGCAATGGCTTTATCACACGCGAGTTCCTTAAGAACCTGAGGAAGCCG  
 TTCTGTGACATCATGGAACCAAGTTGACTTCGCTATGAAGTTCAATGCCTTAGAACTGGATGACAGTG  
 ACATTTCCCTGTTTGTGGCTGCTATAATTTGCTGTGGAGATCGGCCTGGCCTTCTAAACATAGGCTACAT  
 TGAGAAGTTGCAGGAGGGGATTGTGCACGTGCTTAAGCTCCACCTGCAGAGCAACCATCCAGATGCACCC  
 TTCTTCTCCAAAGCTCCTTCAAAAAATGGTGGACCTTCGCGAGCTGGTACGGAGCATGCGCAGCTCG  
 TACAGGTCATCAAGAAGACCGAGTCCGACGCAGCGCTGCACCCACTGTTGCAAGAGATCTACAGAGACAT  
 GTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227641 representing NM\_011144  
 Red=Cloning site Green=Tags(s)

MVDTESPICPLSPL EADDLESPLSEEF LQEMGNIQEISQSIGEESGSGFADYQYLGSCPGSEGSVITD  
 TLSPASSPSSVSCPVIPASTDESPGSALNIECRICGDKASGYHYGVHACEGCKGFFRRTIRLKLVDKCD  
 RSCKIQKKNRNCQYCRFHKCLSVGMSHNAIRFGRMPREKAKLKAELTCEHDLKDS EADLKS LGKRI  
 HEAYLKNFNMNKVKARVILAGKTSNPPFVIHDMETLCMAEKT LVAKMVANGVEDKEAEVRFHCCQCMS  
 VETVTELETFAKAIPGFANLDLNDQVTL LKYGVYEAIF TMLSSLMNKDGMLIAYGNGITREFLKNLRKP  
 FCDIMEPKFDFAMKFNAL ELDDSDISL FVAAIICGDRPGLLNIGYIEKLQEGIVHVLKHLQSNHPDDT  
 FLFPKLLQKMVDLRQLVTEHAQLVQVIKKTESDAALHPLLQE IYRDMY

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mg3603\\_b07.zip](https://cdn.origene.com/chromatograms/mg3603_b07.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_011144

ORF Size: 1404 bp

OTI Disclaimer: 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: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_011144.6](#), [NP\\_035274.2](#)

RefSeq Size: 7454 bp

RefSeq ORF: 1407 bp

Locus ID: 19013

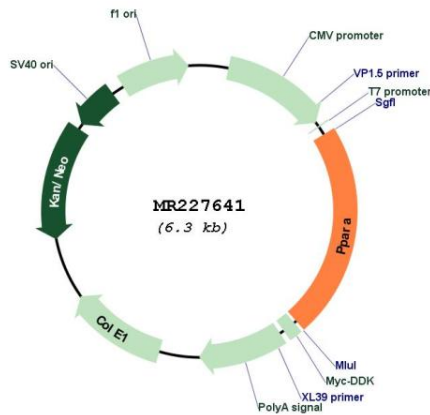
UniProt ID: [P23204](#)

Cytogenetics: 15 40.42 cM

**MW:** 52.3 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR227641