

## Product datasheet for **MG227641**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppara (NM_011144) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppara
Synonyms:	4933429D07Rik; AW742785; Nr1c1; Ppar; PPAR-alpha; PPARalpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG227641 representing NM\_011144  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGACACAGAGAGCCCCATCTGTCTCTCTCCCACTGGAGGCAGATGACCTGAAAGTCCCTTAT  
 CTGAAGAATTCTTACAAGAAATGGGAAACATTCAGAGATTTCTCAGTCCATCGGTGAGGAGAGCTCTGG  
 AAGCTTTGGTTTTGCAGACTACCACTACTTAGGAAGCTGTCCGGGCTCCGAGGGCTCTGTATCACAGAC  
 ACCCTCTCTCCAGCTTCCAGCCCTTCTCAGTCAGCTGCCCGTGATCCCGCCAGCAGCGGACGAGTCCC  
 CCGGCAGTGCCCTGAACATCGAGTGTGAATATGTGGGACAAGGCCTCAGGGTACCACTACGGAGTTCA  
 CGCATGTGAAGGCTGTAAGGGCTTCTTTCGGCGAACTATTCGGCTGAAGCTGGTGTACGACAAGTGTGAT  
 CGGAGCTGCAAGATTGAGAAGAAGAACCGAACAATGCCAGTACTGCCGTTTTTACAAGTGCCTGTCTG  
 TCGGGATGTACACAATGCAATTCGCTTTGGAAGAATGCCAAGATCTGAAAAAGCAAACTGAAAGCAGA  
 AATTCTTACCTGTGAACACGACCTGAAAGATTCGAAAACCTGCAGACCTCAATCTCTGGCAAGAGAATC  
 CACGAAGCCTACCTGAAGAACTCAACATGAACAAGGTCAAGGCCGGGTCACTACTCGCGGGAAAGACCA  
 GCAACAACCCGCCTTTTGTATACATGACATGGAGACCTTGTGTATGGCCGAGAAGACGCTTGTGGCCAA  
 GATGGTGGCCAAACGGCGTCAAGACAAAGAGGCAGAGGTCGATTCTTCCACTGCTGCCAGTGCATGTCC  
 GTGGAGACCGTACCGGAGCTCACAGAAATTTGCCAAGGCTATCCCAGGCTTTGCAAACTTGGACTTGAACG  
 ACCAAGTACCTTGCTAAAGTACGGTGTGTATGAAGCCATCTTCCAGTGTCTGCTCTCTTGTATGAACAA  
 AGACGGGATGCTGATCGCGTACGGCAATGGCTTATCACACGCGAGTTCCTTAAGAACCTGAGGAAGCCG  
 TTCTGTGACATCATGGAACCAAGTTGACTTCGCTATGAAGTTCAATGCCTTAGAACTGGATGACAGTG  
 ACATTTCCCTGTTTGTGGCTGCTATAAATTTGCTGTGGAGATCGGCCTGGCCTTCTAAACTAGGCTACAT  
 TGAGAAGTTGCAGGAGGGGATTGTGACGTGCTTAAGCTCCACCTGCAGAGCAACCATCCAGATGACACC  
 TTCTCTTCCAAAGCTCCTTCAAAAAATGGTGGACCTTCGCGAGCTGGTACGGAGCATGCGCAGCTCG  
 TACAGGTCATCAAGAAGACCGAGTCCGACGCAGCGCTGCACCCACTGTTGCAAGAGATCTACAGAGACAT  
 GTAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG227641 representing NM\_011144  
 Red=Cloning site Green=Tags(s)

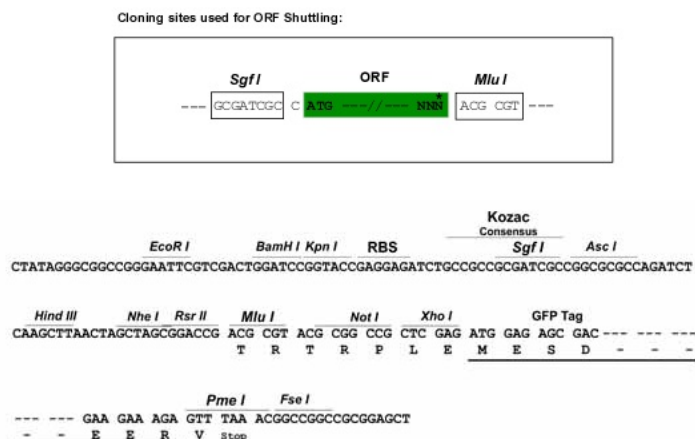
MVDTESPICPLSPLSLEADDLESPLSEEFLEQEMGNIQEISQSIGEESSGSFGFADYQYLGSCPGESESVITD  
 TLSPASSPSSVSCPVIPASTDESPGSALNIECRICGDKASGYHYGVHACEGCKGFFRRTIRLKLVDKCD  
 RSCKIQKKNRNCQYCRFHKCLSVGMSHNAIRFGRMPREKAKLKAIEILTCEHDLKDSSETADLKSLGKRI  
 HEAYLKNFNMNKVKARVILAGKTSNNPPFVIHDMETLCAEKTIVAKMVANGVEDKEAEVRFHCCQCMS  
 VETVTELETFAKAIPGFANLDLNDQVTLTKYGVYEAIFTMLSSLMNKDGMLIAYGNFITREFLKNLRKP  
 FCDIMEPKFDFAMKFNALDSDISLFAAIIICGDRPGLLNIGYIEKLEQEGIVHVLKHLQSNHPDDT  
 FLFPKLLQKMVDLRQLVTEHAQLVQVIKKTESDAALHPLLQEIYRDMY

**TRTRPLE** - GFP Tag - V

**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

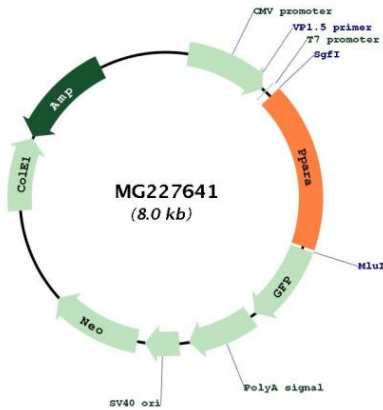
Locus ID: 19013

UniProt ID: [P23204](#)

**Cytogenetics:** 15 40.42 cM

**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 MG227641