

Product datasheet for **MG207486**

Ppara (BC016892) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppara (BC016892) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppara
Synonyms:	Nr1c1, 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:

>MG207486 representing BC016892
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

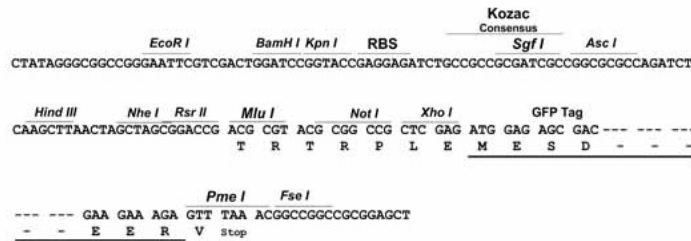
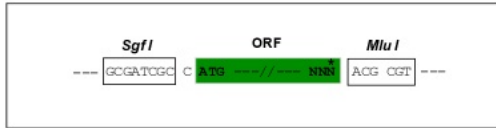
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 CTGAAGAATTCTTACAAGAAATGGGAAACATTCAGAGATTTCTCAGTCCATCGGTGAGGAGAGCTCTGG
 AAGCTTTGGTTTTGCAGACTACCACTACTTAGGAAGCTGTCCGGGCTCCGAGGGCTCTGTATCACAGAC
 ACCCTCTCTCCAGCTTCCAGCCCTTCTCAGTCAGCTGCCCGTGATCCCGCCAGCAGCGGACGAGTCCC
 CCGGCAGTGCCCTGAACATCGAGTGTGAATATGTGGGACAAGGCCTCAGGGTACCACTACGGAGTTCA
 CGCATGTGAAGGCTGTAAAGGCTTCTTTCGGCGAACTATTCGGCTGAAGCTGGTGTACGACAAGTGTGAT
 CGGAGCTGCAAGATTGAGAAGAAGAACCGAACAATGCCAGTACTGCCGTTTTTACAAGTGCCTGTCTG
 TCGGGATGTACACAATGCAATTCGCTTTGGAAGAATGCCAAGATCTGAAAAAGCAAACTGAAAGCAGA
 AATTCTTACCTGTGAACACGACCTGAAAGATTCGAAACTGCAGACCTCAAATCTCTGGCAAGAGAAATC
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 GCAACAACCCGCCTTTTGTATACATGACATGGAGACCTTGTGTATGGCCGAGAAGACGCTTGTGGCCAA
 GATGGTGGCAACGGCGTCAAGACAAAGAGGCAGAGGTCGATTCCTTCCACTGCTGCCAGTGCATGTCC
 GTGGAGACCGTACCGGAGCTCACAGAAATTTGCCAAGGCTATCCCAGGCTTTGCAAACTTGGACTTGAACG
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 AGACGGGATGCTGATCGCGTACGGCAATGGCTTATCACACGGGATTCCTTAAGAACCTGAGGAAGCCG
 TTCTGTGACATCATGGAACCAAGTTTGACTTCGCTATGAAGTTCATGCCTTAGAACTGGATGACAGTG
 ACATTTCCCTGTTTGTGGCTGCTATAATTTGCTGTGGAGATCGGCCTGGCCTTCTAAACATAGGCTACAT
 TGAGAAGTTGCAGGAGGGGATTGTGCACGTGCTTAAGCTCCACCTGCAGAGCAACCATCCAGATGACACC
 TTCTCTTCCAAAGCTCCTTCAAAAAATGGTGGACCTTCGCGAGCTGGTACGGAGCATGCGCAGCTCG
 TACAGGTATCAAGAAGACCGAGTCCGACGCGCTGCACCCACTGTTGCAAGAGATCTACAGAGACAT
 GTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Restriction Sites:
 Cloning Scheme:**

Sgfl-MluI

Cloning sites used for ORF Shutting:

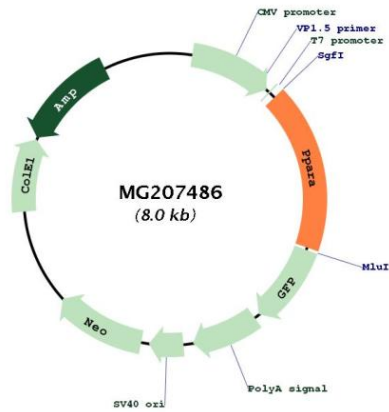


ACCN:

BC016892

ORF Size:	1404 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>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</p>
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:	<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:	BC016892 , AAH16892
RefSeq Size:	2336 bp
RefSeq ORF:	1406 bp
Locus ID:	19013
Cytogenetics:	15 40.42 cM
Gene Summary:	<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>

Product images:



Circular map for MG207486