

## Product datasheet for MR207001

### Ppard (NM\_011145) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppard (NM_011145) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppard
Synonyms:	Nr1c2; NUC-1; NUC1; PPAR-beta; PPAR-delta; Pparb; Pparb/d; PPARdelta; PPAR[b]
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR207001 representing NM_011145. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAACAGCCACAGGAGGAGACCCCTGAGGCCCGGGAAGAGGAGAAAGAGGAAGTGCCATGGGTGAC
GGAGCCCCGGAGCTCAATGGGGACCAGAACACACGCTTCCTTCCAGCAGCTGTGCAGACCTCTCCCAG
AATTCTCCCTTCTCCTGCTGGACCAGCTGCAGATGGGCTGTGATGGGGCTCAGGCGGCAGCCTC
AACATGGAATGTCGGGTGTGCGGGACAAGGCCTCGGGCTTCCACTACGGGTCCACGCGTGCAGGGG
TGCAAGGGCTTCTCCGCGGACAATCCGCATGAAGCTCGAGTATGAGAAGTGCATCGGATCTGCAAG
ATCCAGAAGAAGAACCGCAACAAGTGTCACTGCTCCGCTTCCAGAAGTGCCTGGCACTCGCATGTCCG
CACAACGCTATCCGCTTTGGACGGATGCCGGAGGCCGAGAAGAGGAAGCTGGTGGCGGGGCTGACTGCC
AGCGAGGGGTGCCAGCACAACCCCCAGCTGGCCGACCTGAAGGCCTTCTCTAAGCACATCTACAACGCC
TACCTGAAAAACTTCAACATGACCAAAAAGAGGCCCGGAGCATCCTCACCGCAAGTCCAGCCACAAC
GCACCTTTGTATCCACGACATCGAGACACTGTGGCAGGCAGAGAAGGGCCTGGTGTGGAACAGCTG
GTGAACGGGTGCCGCCCTACAACGAGATCAGTGTGCAGTGTCTACCGCTGCCAGTCCACCACAGTG
GAGACAGTCCGAGAGCTACCGAGTTCGCAAGAACATCCCCAATTCCAGCAGCCTTCTCCTCAATGAC
CAGGTGACCTCCTCAAGTATGGCGTGCACGAGGCCATCTTGGCATGCTGGCCTCCATCGTCAACAAA
GACGGCTGCTGGTGGCAACGGCAGTGGCTTCGTCACCCAGATTCTTGCAGAGTCTCCGCAAGCCC
TTCAGTGACATCATTGAGCCCAAGTTCGAGTTTGTGTCAAGTTCAATGCCTGGAGCTCGATGACAGT
GACCTGGCGCTTTCATCGCGGCATCATTTTGTGGAGACCGCCAGGCCTCATGAATGTGCCCCAG
GTAGAAGCCATCCAGGACACCTTCTGCGGGCTTAGAATTCCATCTGCAGGTCAACCACCTGACAGC
CAGTACCTCTCCCAAGCTGCTGCAGAAGATGGCAGACCTGCGGCAGCTGGTCACTGAGCATGCCAG
ATGATGCAGTGGCTAAAGAAGACGGAGAGTGAGACCTGTGTCACCCCTGCTCCAGGAAATCTACAAG
GACATGTAC
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTAA
```



[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by MR207001  
 Blue=ORF Red=Cloning site Green=Tag(s)

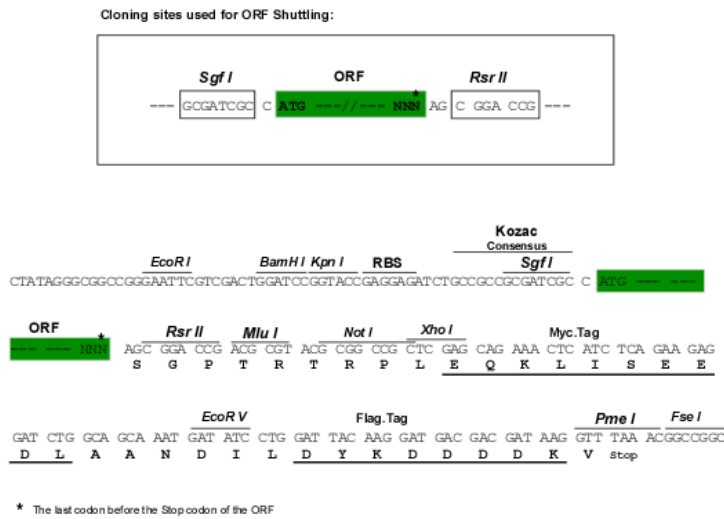
MEQPQEETPEAREEEKEEVAMGDGAPELNGGPEHTLPSSSCADLSQNSSPSSLLDQLQMGCDGASGGSL  
 NMECRVCGDKASGFHYGVHACEGCKGFFRRTIRMKLEYEKCDRICKIQKKNRNCQYCRFQKCLALGMS  
 HNAIRFGRMPEAEKRKL VAGLTASEGCQHNPQLADLKAFSKHIYNAYLKNFNMTKKKARSILTKSSHN  
 APFVIHDIETLWQAEKGLVWKQLVNGLPPYNEISVHVYFRCQSTTVETVRELTEFAKNIPNFSSFLND  
 QVTLLKYGVHEAIFAMLASIVNKDGLLVANGSGFVTHEFLRSLRKPFSDIIEPKFEFAVKFNALELDDS  
 DLALFIAAILCGDRPGLMNVQVEAIQDTILRALEFHLQVNHPSQYLFPKLLQKMADLRQLVTEHAQ  
 MMQWLKKTESETLLHPLLQEIKDMY  
 SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using MR207001 also available, [TP507001](#)

**Restriction Sites:**

SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_011145

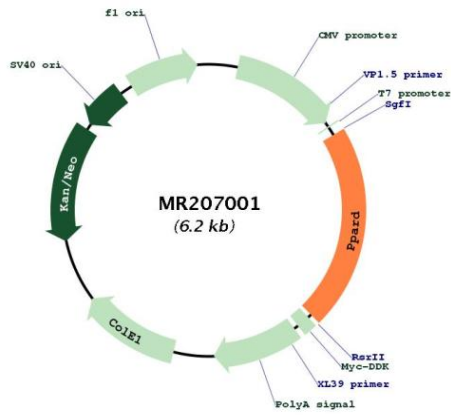
**ORF Size:** 1320 bp

**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>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_011145.2</a>
<b>RefSeq Size:</b>	3240 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	19015
<b>UniProt ID:</b>	<a href="#">P35396</a>
<b>Cytogenetics:</b>	17 14.64 cM
<b>MW:</b>	49.7 kDa
<b>Gene Summary:</b>	Ligand-activated transcription factor. Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Has a preference for poly-unsaturated fatty acids, such as gamma-linoleic acid and eicosapentanoic acid. Once activated by a ligand, the receptor binds to promoter elements of target genes. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the acyl-CoA oxidase gene. Decreases expression of NPC1L1 once activated by a ligand (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207001