

Product datasheet for **MG208132**

Pparg (NM_011146) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pparg (NM_011146) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pparg
Synonyms:	Nr1; Nr1c3; PPA; PPAR; Ppar-; PPAR-gamma; PPAR-gamma2; PPARGgamma; PPARGgamma2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208132 representing NM_011146
 Red=Cloning site Blue=ORF Green=Tags(s)
 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGAAACTCTGGGAGATTCTCCTGTTGACCCAGAGCATGGTGCCTTCGCTGATGCACTGCCTATGA
 GCACTTACAAGAAATTACCATGGTTGACACAGAGATGCCATTCTGGCCACCAACTTCGGAATCAGCTC
 TGTGGACCTCTCCGTGATGGAAGACCACTCGCATTCTTTGACATCAAGCCCTTACCACAGTTGATTTT
 TCCAGCATTCTGCTCCACACTATGAAGACATTCCATTACAAGAGCTGACCCAATGGTTGCTGATTACA
 AATATGACCTGAAGCTCCAAGAATACCAAAGTGCATCAAAGTAGAACCTGCATCTCCACCTTATTATTC
 TGAAAAGACCCAGCTCTACAACAGGCCTCATGAAGAACCTTCTAACTCCCTCATGGCCATTGAGTGCCGA
 GTCTGTGGGGATAAAGCATCAGGCTTCCACTATGGAGTTCATGCTTGTGAAGGATGCAAGGGTTTTTCC
 GAAGAACCATCCGATTGAAGCTTATTTATGATAGGTGTGATCTTAACTGCCGGATCCACAAAAAAGTAG
 AAATAAATGTCAGTACTGTCGGTTTCAGAAGTGCCTTGTGTGGGGATGTCTACAATGCCATCAGTTTT
 GGGCGGATGCCACAGGCCGAGAAGGAGAAGCTGTTGGCGGAGATCTCCAGTGATATCGACCAGCTGAACC
 CAGAGTCTGCTGATCTGCGAGCCCTGGCAAAGCATTGTATGACTCATACATAAAGTCTTCCCGCTGAC
 CAAAGCCAAGGCGAGGGCGATCTTGACAGGAAAGACAACGGACAAATCACCATTGTGCTACGACATG
 AATTCCTTAATGATGGGAGAAGATAAAATCAAGTTCAAACATATCACCCCTGCAGGAGCAGAGCAAAG
 AGGTGGCCATCCGAATTTTTCAAGGGTGCAGTTTCGATCCGTAAGCCGTGCAAGAGATCACAGAGTA
 TGCCAAAAATATCCCTGGTTTCATTAACTTGAATGACCAAGTACTCTGCTCAAGTATGGTGTG
 CATGAGATCATCTACACGATGCTGGCTCCCTGATGAATAAAGATGGAGTCTCATCTCAGAGGGCCAAG
 GATTCATGACCAGGGAGTTCCTCAAAGCTGCGGAAGCCCTTTGGTGACTTTATGGAGCTAAGTTTGA
 GTTTGCTGTGAAGTTCAATGCACTGGAATTAGATGACAGTGACTTGGCTATATTTATAGCTGTCTATT
 CTGAGTGGAGACCGCCAGGCTTCTGTAACGTGAAGCCATCGAGGACATCCAAGACAACCTGCTGCAGG
 CCCTGGAAGTGCAGCTCAAGCTGAATCACCCAGAGTCTCTCAGCTGTTCCGCAAGGTGCTCCAGAAGAT
 GACAGACCTCAGGCAGATCGTCACAGAGCAGTGCAGCTACTGCATGTGATCAAGAAGACAGAGACAGAC
 ATGAGCCTTACCCCTGCTCCAGGAGATCTACAAGGACTTGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208132 representing NM_011146
 Red=Cloning site Green=Tags(s)
 MGETLGDSPVDPEHGAFADALPMSTSQEITMVDEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDF
 SSI SAPHYEDIPFTRADPMVADYKYDLKLQEYQSAIKVEPASPPYYSEKTLQYLRNPHEEPSNSLMAIECR
 VCGDKASGFHYGVHACEGCKGFFRRTIRLKLIDRCDLNCRHKKSRNKQYCRFQKCLAVGMSHNAIRF
 GRMPQAEKEKLLAEISSDIDQLNPESADLRALAKHL YDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDM
 NSLMMGEDKIKFKHITPLQEQSKEVAIRIFQGCQFRSVEAVQEITEYAKNIPGFINLDLNDQVTLKYG
 HEI IYTMLASLMNKDGLVISEGQGFMTREFLKSRLKPFDFMEPKFEFAVKFNALELDDSDLAIFIAVII
 LSGDRPGLLNVPPIEDIQDNLQALELQLKLNHPESQLFAKVLQKMTDLRQIVTEHVQLLHVIKKTETD
 MSLHPLLQEIKDLY

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_011146

ORF Size: 1515 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_011146.3](#)

RefSeq Size: 1780 bp

RefSeq ORF: 1518 bp

Locus ID: 19016

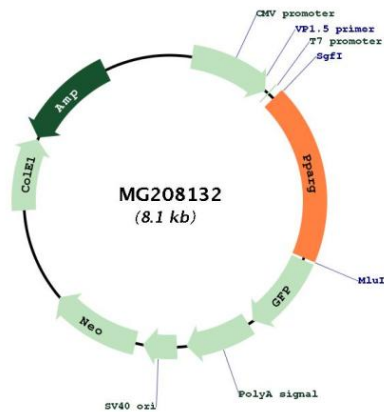
UniProt ID: [P37238](#)

Cytogenetics: 6 53.41 cM

Gene Summary:

This gene encodes a nuclear receptor protein belonging to the peroxisome proliferator-activated receptor (Ppar) family. The encoded protein is a ligand-activated transcription factor that is involved in the regulation of adipocyte differentiation and glucose homeostasis. The encoded protein forms a heterodimer with retinoid X receptors and binds to DNA motifs termed "peroxisome proliferator response elements" to either activate or inhibit gene expression. Mice lacking the encoded protein die at an embryonic stage due to severe defects in placental vascularization. When the embryos lacking this gene are supplemented with healthy placentas, the mutants survive to term, but succumb to lipodystrophy and multiple hemorrhages. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MG208132