

Product datasheet for **MG227473**

Pparg (NM_001127330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pparg (NM_001127330) 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:

>MG227473 representing NM_001127330
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTGACACAGAGATGCCATTCTGGCCACCAACTTCGGAATCAGCTCTGTGGACCTCTCCGTGATGG
 AAGACCACTCGCATTCTTTGACATCAAGCCCTTTACCACAGTTGATTTCTCCAGCATTTCTGCTCCACA
 CTATGAAGACATTCCATTACAAGAGCTGACCCAAATGGTTGCTGATTACAAATATGACCTGAAGCTCCAA
 GAATACCAAAGTGCATCAAAGTAGAACCTGCATCTCCACCTTATTATTCTGAAAAGACCCAGCTTACA
 ACAGGCCCTCATGAAGAACCTTCTAACTCCCTCATGGCCATTGAGTGCCGAGTCTGTGGGGATAAAGCATC
 AGGCTTCCACTATGGAGTTCATGCTTGTGAAGGATGCAAGGGTTTTTCCGAAGAACCATCCGATTGAAG
 CTTATTTATGATAGGTGTGATCTTAACTGCCGGATCCACAAAAAAGTAGAAATAAATGTCAGTACTGTC
 GGTTTCAGAAGTGCCTTGTGTGGGGATGTCTACAATGCCATCAGGTTTGGGCGGATGCCACAGGCCGA
 GAAGGAGAAGCTGTTGGCGGAGATCTCCAGTGATATCGACCAGCTGAACCCAGAGTCTGTGATCTGCGA
 GCCTGGCAAAGCATTGTATGACTCATACATAAAGTCCTTCCCCTGACCAAAGCCAAGGCGAGGGCGA
 TCTTGACAGGAAAGACAACGGACAATCACCATTGTCTACGACATGAATTCCTTAATGATGGGAGA
 AGATAAAATCAAGTTCAAACATACACCCCTGCAGGAGCAGAGCAAAGAGGTGGCCATCCGAATTTTT
 CAAGGGTGCCAGTTTCGATCCGTAAGAAGCCGTGCAAGAGATCACAGAGTATGCCAAAAATATCCCTGGTT
 TCATTAACCTTGATTTGAATGACCAAGTACTCTGCTCAAGTATGGTGTCCATGAGATCATCTACACGAT
 GCTGGCCTCCCTGATGAATAAGATGGAGTCTCATCTCAGAGGGCCAAGGATTCATGACCAGGGAGTTC
 CTCAAAGCCTGCGGAAGCCCTTTGGTGACTTTATGGAGCCTAAGTTTGAGTTTGTGTGAAGTTCAATG
 CACTGGAATTAGATGACAGTGACTTGGCTATATTTATAGCTGTCAATTCTCAGTGGAGCCGCCAGG
 CTTGCTGAACGTGAAGCCCATCGAGGACATCCAAGACAACCTGCTGCAGGCCCTGGAACCTGCAGCTCAAG
 CTGAATACCCAGAGTCTCTCAGCTGTTCCGCAAGGTGCTCCAGAAGATGACAGACCTCAGGCAGATCG
 TCACAGAGCACGTGCAGTACTGCATGTGATCAAGAAGACAGAGACAGACATGAGCCTTACCCCTGCT
 CCAGGAGATCTACAAGGACTTGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227473 representing NM_001127330
 Red=Cloning site Green=Tags(s)

MVDTEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDFSSISAPHYEDIPFTRADPMVADYKYDLKQ
 EYQSAIKVEPASPPYYSEKTLQYNRPHSEPSNSLMAIECRVCGDKASGFHYGVHACEGCKGFFRRTIRLK
 LIYDRCDLNCRIHKKSRNKQYCRFQKCLAVGMSHNAIRFGRMPQAEKEKLLAEISSDIDQLNPESADLR
 ALAKHL YDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDMNSLMMGEDKIKFKHITPLQEQSKEVAIRIF
 QGCQFRSVEAVQEITEYAKNIPGFINLNDLNDQVTLKYGVEHIIYTMLASLMNKDGVLISEGQGFMTREF
 LKSLRKPFGDFMEPKFEFAVKFNALELDDSLAIFIAVILSGDRPGLLNKPIEDIQDNLLQALELQK
 LNHPESQLFAKVLQKMTDLRQIVTEHVQLLHVIKKTETDMSLHPLLQEIYKDLY

TRTRPLE - GFP Tag - V

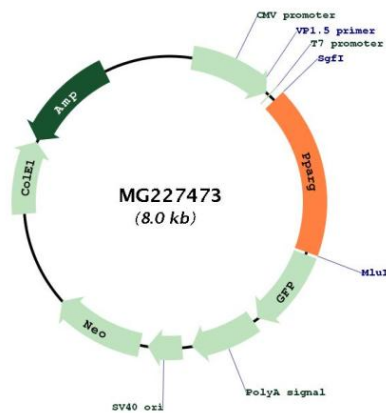
Restriction Sites:

SgfI-MluI

RefSeq: [NM_001127330.2](#)
 RefSeq Size: 1857 bp
 RefSeq ORF: 1428 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 MG227473