

Product datasheet for **RN216752**

Pparg (NM_001145367) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pparg (NM_001145367) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pparg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216752 representing NM_001145367
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTGACACAGAGATGCCATTCTGGCCACCAACTTCGGAATCAGCTCTGTGGACCTCTCTGTGATGG
 ATGACCACTCCCATTCTTTGACATCAAACCCCTTACCACGGTTGATTTCTCCAGCATTTCTGCTCCACA
 CTATGAAGACATCCCGTTCACAAGAGCTGACCCAAATGGTTGCTGATTACAAATATGACCTGAAGCTCCAA
 GAATACCAAAGTGCGATCAAAGTAGAGCCTGCGTCCCCGCCTTATTATTCTGAAAAAACCAACTTACA
 ACAGGCCACATGAAGAGCCTTCAAACCTCATGGCCATCGAGTGCCGAGTCTGTGGGGATAAAGCATC
 AGGCTTCCACTATGGAGTCCATGCTTGTGAAGGATGCAAGGGTTTTTCCGAAGAACCATCCGATTGAAG
 CTTATTTATGATAGGTGTGATCTTAACTGTCGGATCCACAAAAAGAGTAGAAATAAATGTCAGTACTGTC
 GGTTCAGAAGTGCCTTGTGTGGGATGTCTCACAATGCCATCAGGTTTGGGCGAATGCCACAGGCCGA
 GAAGGAGAAGCTGTTGGCGGAGATCTCCAGTGATATCGACCAGCTGAACCCAGAGTCTGCTGATCTGCGA
 GCCTGGCAAAGCATTTGTATGACTCATACATAAAGTCCTTCCCCTGACCAAAGCCAAGGCGAGGGCGA
 TCTTGACAGGAAAGACAACAGACAAATCACCATTTGTCATCTACGACATGAATTCCTTAATGATGGGAGA
 AGACAAAATCAAGTTCAAACATATCACCCCTGCAGGAGCAGAGCAAAGAGGTGGCCATCCGCATTTTT
 CAAGGGTGCCAGTTTCGATCCGTGGAAGCTGTGCAAGAGATCACAGAGTATGCCAAAAATATCCCTGGTT
 TCATTAACCTTGACTTGAATGACCAAGTACTCTGCTCAAGTATGGTGTCCATGAGATCATCTACACCAT
 GCTGGCCTCCCTGATGAATAAAGATGGAGTCTCATATCAGAGGGACAAGGATTCATGACCAGGGAGTTC
 CTCAAAGCCTGCGGAAGCCCTTGGTGACTTTATGGAGCCTAAGTTTGAGTTTGTGTGAAGTTCAATG
 CACTGGAATTAGATGACAGTGACTTGGCCATTTATAGCTGTCATTATTCTCAGTGGAGACCGCCAGG
 CTTGCTGAACGTGAAGCCATCGAGGACATCCAAGACAACCTGCTGCAGGCCCTGGAACCTCAGCTGAAG
 CTGAACACCCGAGTCTCCCAGCTGTTCCGAAGGTGCTCCAGAAGATGACAGACCTCAGGCAGATTG
 TCACAGAGCACGTGCAGTACTGCATGTGATCAAGAAGACGGAGACAGATATGAGCCTTACCCTCTGCT
 CCAGGAGATCTACAAGGACTTGTAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001145367
- Insert Size:** 1428 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001145367.1](#), [NP_001138839.1](#)

RefSeq Size: 2008 bp

RefSeq ORF: 1428 bp

Locus ID: 25664

UniProt ID: [O88275](#)

Cytogenetics: 4q42

Gene Summary: ligand-activated transcription factor; mediates expression of genes involved in lipid metabolism [RGD, Feb 2006]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. Both variants 2 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.