

Product datasheet for **RR200399**

Pparg (NM_001145366) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pparg (NM_001145366) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pparg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200399 representing NM_001145366
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTGACACAGAGATGCCATTCTGGCCACCAACTTCGGAATCAGCTCTGTGGACCTCTCTGTGATGG
 ATGACCACTCCCATTCTTTGACATCAAACCCCTTACCACGGTTGATTTCTCCAGCATTTCTGCTCCACA
 CTATGAAGACATCCCGTTACAAGAGCTGACCCAAATGGTTGCTGATTACAATATGACCTGAAGCTCCAA
 GAATACCAAAGTGCATCAAAGTAGAGCCTGCGTCCCGCCTTATTATTCTGAAAAAACCAACTCTACA
 ACAGGCCACATGAAGAGCCTTCAAACCTCATGGCCATCGAGTGCCGAGTCTGTGGGGATAAAGCATC
 AGGCTTCCACTATGGAGTCCATGCTTGTGAAGGATGCAAGGGTTTTTCCGAAGAACCATCCGATTGAAG
 CTTATTTATGATAGGTGTGATCTTAAGTGTGCGGATCCACAAAAAGAGTAGAAATAAATGTCAGTACTGC
 GGTTCAGAAGTGCCTTGTGTGGGATGTCTACAATGCCATCAGGTTTGGGCGAATGCCACAGGCCGA
 GAAGGAGAAGCTGTTGGCGGAGATCTCCAGTGATATCGACCAGCTGAACCCAGAGTCTGCTGATCTGCGA
 GCCTGGCAAAGCATTGTATGACTCATACATAAAGTCTTCCCGCTGACCAAAGCCAAGGCGAGGGCGA
 TCTTGACAGGAAAGACAACAGACAAATCACCATTTGTCATCTACGACATGAATTCCTTAATGATGGGAGA
 AGACAAAATCAAGTTCAAACATATCACCCCTGCAGGAGCAGAGCAAAGAGGTGGCCATCCGCATTTTT
 CAAGGGTGCCAGTTTCGATCCGTGGAAGCTGTGCAAGAGATCACAGAGTATGCCAAAAATATCCCTGGTT
 TCATTAACCTTGACTTGAATGACCAAGTACTCTGCTCAAGTATGGTGTCCATGAGATCATCTACCCAT
 GCTGGCCTCCCTGATGAATAAGATGGAGTCTCATATCAGAGGGACAAGGATTCATGACCAGGGAGTTC
 CTCAAAGCCTGCGGAAGCCCTTTGGTGACTTTATGGAGCCTAAGTTTGAGTTTGTGTGAAGTTCAATG
 CACTGGAATTAGATGACAGTGACTTGGCCATATTTATAGCTGTCATTATCTCAGTGGAGCCGCCAGG
 CTTGCTGAACGTGAAGCCATCGAGGACATCCAAGACAACCTGCTGCAGGCCCTGGAACCTCAGCTGAAG
 CTGAACACCCGAGTCTCCAGCTGTTCCGCAAGGTGCTCCAGAAGATGACAGACCTCAGGCAGATTG
 TCACAGAGCACGTGCAGTACTGCATGTGATCAAGAAGACGGAGACAGATATGAGCCTTACCCTCTGCT
 CCAGGAGATCTACAAGGACTTGTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200399 representing NM_001145366
 Red=Cloning site Green=Tags(s)

MVDTEMPFWPTNFGISSVDLSVMDHSHSFDIKPFTTVDFSSISAPHYEDIPFTRADPMVADYKYDLKLQ
 EYQSAIKVEPASPPYYSEKTQLYNRPHHEEPSNSLMAIECRVCGDKASGFHYGVHACEGCKGFFRRTIRLK
 LIYDRCDLNCRIHKKSRNKQYCRFQKCLAVGMASHNAIRFGRMPQAEKEKLLAEISSDIDLNPESADLR
 ALAKHL YDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDMNSLMMGEDKIKFKHITPLQEQSKEVAIRIF
 QGCQFRSVEAVQEITEYAKNIPGFINLDLNDQVTLKYGVHEIIYTMLASLMNKDGVLISEGQGFMTREF
 LKSLRKPFGDFMEPKFEFAVKFNALELDDSDLAIFIAVIILSGDRPGLLNKPIEDIQDNLLQALELQK
 LNHPESQLFAKVLQKMTDLRQIVTEHVQLLHVIKKTTETDMSLHPLLQEIYKDLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001145366

ORF Size: 1425 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_001145366.1](#), [NP_001138838.1](#)

RefSeq Size: 1830 bp

RefSeq ORF: 1428 bp

Locus ID: 25664

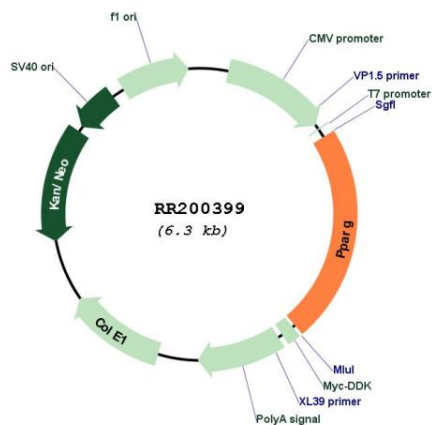
UniProt ID: [O88275](#)

Cytogenetics: 4q42

MW: 54.5 kDa

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

Product images:



Circular map for RR200399