

Product datasheet for **RR210805**

Pdpr (NM_001107430) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdpr (NM_001107430) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdpr
Synonyms:	RGD1308307
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210805 representing NM_001107430
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTTACCGTTGCTGTCTATTGTCCAAAGACAAGAAGTACGCCAGGATGGCAGACCTGGTCATCGG
 CAAGAAGCAGCAGTCCGCTGCCGAGGCCAGTCTATTGCTCTGCCTGCCAGGCCAGGTGGTCATCTG
 TGGGGTGGGAATCATGGGTACGTCTGTGCCTATCACCTCTCCAAAATGGGATGGCAAGATATTGCCTT
 TTGGAGCAGGGCAGGCTGGCTGCTGGCTCAACAAGTTCTGTGCTGGCATCCTAAGCACTGCTAGGCATT
 CAAGCATTGAACAGAAGATGGCTGACTATTCAAACAACTCTACCATCAGTTAGAACAAGAAACAGGGAT
 TCAAACAGGTTACTTAAGGACAGGCTCAATCTCTGCCCCAACTCAGGACCGTTGATCTCTCTGAAG
 CGTATCAACTCAAGGCTGAATGTTGTAGGTATACCTTCTGAGATCATCTCCCGAAGAAAGTGGCCGAAC
 TTCATCTCTCCTCAATGTGCATGATCTGGTGGGAGCCATGCACGTTCTGAGGACGCGAGTGTCTCTC
 TGCTGATGTGGCTTTGCCCTGGCAAGTCTGCCTCCAGAATGGTGTTCAGATTTATGACCGGACAAGT
 GTTCTTCACTGACTGACCAAAAAGGTCGAGTTACTGGTGTGGACACAGATAAAGGGCAGATCGAATGCC
 AGTATTTTGTCAACTGTGCTGGTCACTGGGCGTATGAGCTGGGTTTGTCCAGCGAGGAGCCGGTTAGTAT
 CCCGCTGCACGCCTGTGAGCACTTCTACCTTCTGACTCGTCCCTGCGACGCCCTCTGCAGAGCAGCACA
 CCAACCGTTGGGATGCGGACGGAAGAAATTTACATTAGGAACTGGCAGGGTGGCGTCTTGTCTGGAGGCT
 TTGAGAAGAACCACAACTATTTTCACTGAAGGCAAGAACAGTTGGAAATTCAGAACCTTCGGGAAGA
 TTGGGATCACTTTGAGCCCTGTTGAGTCCCTCCTGCGCAGGATGCCAGGATTGGAGTCTGTGGAGATT
 TTGAAGTTGGTGAATGCCCTGAGACCTCACGGCAGACATGAAGTGCATCATGGCGAGTCCCTGTCTG
 TCCAGGGTACTTTGCTGCTGGCAGGGTGAACCTGCTGGCTGTCTGCTGGCGGAGGAGCTGAAAAGT
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 AGGTTCTCGTTGGGATTTCCAGACTGGAAGGCAGTTGCGCACATCTCTCTTTATGACCGGCTGGATGC
 TCAAGGAGCCAGATGGATGGAGAAACATGGATTTGAGAGGCCAAAGTACTTTGTTCCACCAACAAGGAC
 CTTCTTGCAATAGAACAGAGCAAGACTTTCTACAAGCCAGACTGGTTTGATATTGTGGAGTCTGAAGTCA
 AATGCTGTAAGGAAGCTGTGTGTCTTACATGTCTTCTTTCACAAAATTTGAAATAACTTCCACTGG
 GGACCAGGCATTAGAAAGTCTGCAGTACCTTTTCTCCAATGACCTAGATGTGCCTGTAGGCCACATTGTT
 CACTGCGATGCTCAATGAATATGGAGGGCACAAAATGACTGCAGCATTGCTCGCCTGACCAACGCA
 GTTCTTTCATGATCTCTCAACTGATCAGCAGGTCACCTGTTGGGCTGGCTTCAAAAGTACTTGGCCGAA
 AGACAGCAACTTGTGCTGGAAGAGCTCACCTGGAAGTACACAGCCCTCAATCTGATTGGCCCTCGAGCT
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 ACTTAAACACCTCACCCAGCCCTGGAATGTGGAGGAGAGTCTCGCGTGAAGTTAGAGAAGGGCATAGA
 CTTCACTGGTGGGATGCCCTGCTGCAGCAAAAGCAGACCGGGTATATAAACGCTCGTTATGTTTATT
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 CAACTTTTCTGAGGACAGCGGGGAGAGCAGGTGGTGTGACAGCAGATTTTCATCAACCGAGGAGAATATGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210805 representing NM_001107430
 Red=Cloning site Green=Tags(s)

MLYRLLSIVQRQRTSPGWQTWSSARSSTSAAEAQSIAPAAQVVICGGGIMGTSVAYHLSKMGWQDIVL
 LEQGRLAAGSTRFCAGILSTARHSSIEQKMADYSNKL YHLEQETGIQTGYLRTGSI SLAQTQDRLISLK
 RINSRLNVVGIPSEIISPKKVAELHPLLNVHDL VGAMHVPEDAVVSSADVALALASAASQNGVQIYDRTS
 VLHVLTKKGRVTGVDTDKGQIECQYFVNCAGQWAYELGLSSEEPVSIPLHACEHFYLLTRPCDAPLQSST
 PTVVDADGRIYIRNWQGGVLSGGFEKNPKPIFTEGKNQLEIQNLREDWDHFEP LLSLLRRMPGLESVEI
 LKLVNCPETFTADMKCMGESPVVQGYFVLAGMNSAGLSLGGGAGKLLAEWMVYGYPSENVWELDLQRFG
 ALQGSRTFLRHRVMEVMP LIYDLKVPWDFQTGRQLRTSPLYDRLDAQGARWMEKHGFERPKYFVPPNKD
 LLALEQSKTFYKPDWFDIVESEVKCKEAVCVIDMSSFTKFEITSTGDQALESLQYLF SNLDLVPVGHIV
 HTGMLNEYGGHENDCSIARLTKRSFFMISPTDQQVHCWAWLHKYLPKDSNLLLEDV TWKYALNLIGPRA
 VDVLSELSYAPMPDHFPTLFCKEMSVGYANGIRVMSMHTGEPGFMLYIPIEYALH VYNEVMSVGQKYG
 IRNAGYYALRSLRIEKFFAFWGQDLNLTTPLECGGESRVKLEKIDFIGRDALLQ QKQTGVYKRLVMFI
 LDDHDTDLDPWWGEP IYRNGKYAGKTTSSAYSYTLERHVCLGYVHNFSEDSGEEQVVTADF INRGEYE
 IDIAGHRFQAKAKLYPVT SFFTHKRRKDDVELSDFHGK

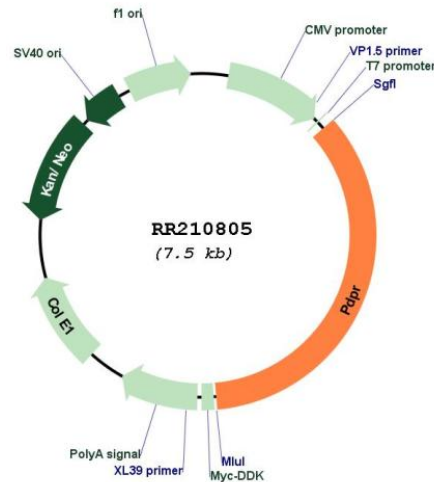
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107430

ORF Size: 2634 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_001107430.1](#), [NP_001100900.1](#)

RefSeq Size: 2847 bp

RefSeq ORF: 2637 bp

Locus ID: 307852

Cytogenetics: 19q12

MW: 98.8 kDa