

## Product datasheet for **RR210872**

### **Pgr (NM\_022847) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pgr (NM_022847) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR210872 representing NM\_022847  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTGAGCTGCAGGCAAAGGATCCGCGACTCTCCACACATCTGGCGCCGCGCCCTCCCCACCCAGC  
 TCGGGTCTCCCTTGCTTGACGCTTGACCCGGATCCCTTCCAGGGAGTCAGCACTCGGACGCATCGTC  
 TGTAGTCTCGCCAATACCGATCTCCCTGGACCGGCTGCTCTTCTCGGTCTGCCAGGCTCAGGAGCTC  
 CCAGACGAAAAGACACAAAATCAGCAGTCGCTGTCCGACGTGGAGGGAGCTTTCTCTGGAGTGGAAGCT  
 CGCGCCGAAGAAGCAGAAATCCCAGAGCTCCGAGAAGGACAGCACTTTAGACAGTGTCTTAGACAC  
 CCTGTTGGCGCCCTCGGGCCCGAGCAAAGCCAAACCAGCCCTCCAGCCTGCGAGGCCATCACTTCTGG  
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 AGCGGTGTCAACACCCCGCAGCTGTTGCTCCGACCTCGGGAGTGTCTACTGGCCGGGCGAGGGGTG  
 AAGCCATCTCAGCAGCCTGCTACGGTGGAGGTGGAGGAGGACGGTGGTCTCGAGACCGAGGGCTCTGCGG  
 GTCGCTTCTGAAGAGCAAACCTCGAGCACTGGAAGGCATGTGTAGCGGAGGAGGAGTACAGCCAAACGC  
 GCCCGGCGCGGCCAGGAGGCGTCACTTGGTCCCAAGGAAGATTCCCGGTTTTCTGCTCCCAGGGTC  
 TCCTTGGAGCAAGACGCTCCAGTTGCCCGGGCGCTCCCACTGGCCACCACAGTGGTGGATTTTCACTC  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210872 representing NM\_022847  
 Red=Cloning site Green=Tags(s)

MTELQAKDPRTLHTSGAAPSPTHVGSPLLARLDPDPFQGSQHS DASSVSP IPI SLDRLLFSRSCQAQEL  
 PDEKTQNQQSLSDVEGAFSGVEASRRRSRNPRAPEKDSRL LDSVLD TLLAPSGPEQSQTSPPACEAITSW  
 CLFGPELPEDPRSVPATKGLLSPLMSRPE SKAGDSSGTGAGQKVL PKAVSPPRQLLLPTSGSAHWPGAGV  
 KPSQQPATVEVEEDGLETEGSAGPLLKSKPRALEGMCSGGV TANAPGAAPGGVTLVPKEDSRFSAPRV  
 SLEQDAPVAPGRSPLATTVVDFIHVPI LPLNHALLAARTRQLLEGDSYDGGAAAQVPFAPPRGSPSAPSP  
 PVPCGDFPDCTYPPEGDPKEDGFPVYGEFQPPGLKIKEEEEEGTEAASRSPRPYLLAGASAATFPDFPLPP  
 RPPRAPP SRPGEAAVAAPSAAVSPVSSSGSALECILYKAE GAPPTQGSFAPLPCKPPAASSCLLPRDSL P  
 AAPTSSAAPAIY PPLGLNGLPQLGYQAAVLKDSL PQVYPPYLNYLRPDSEASQSPQYGFDSL PQKICLIC  
 GDEASGCHYGVLTCG SCKVFFK RAMEGQHNYLCAGRND CIVDKIRRNKCPACRLRKCCQAGMVLGGRKFK  
 KFNKVRVMRALDGV ALPQSVAFPNESQTLGQRITFS PNQEIQLVPPLINLLMSIEPDVVYAGHDNTKPD T  
 SSSLLTSLNQLGERQLLSVVKWSKSLPGFRNLHIDDQITLIQYSWMSLMV FGLGWRYSYKHVSGQMLYFAP  
 DLILNEQRMKELSFYSLCLTMWQIPQEFVKLQVTHEEFLCMKVL LLLNTIPL EGLRSQSQFEEMRSSYIR  
 ELIKAIGLRQKGVVPSSQRFYQLTKLLDSLHDLVKQLHL YCLNTFIQSRALAVEFP EMMSEVIAAQLPKI  
 LAGMVKPLLFHKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

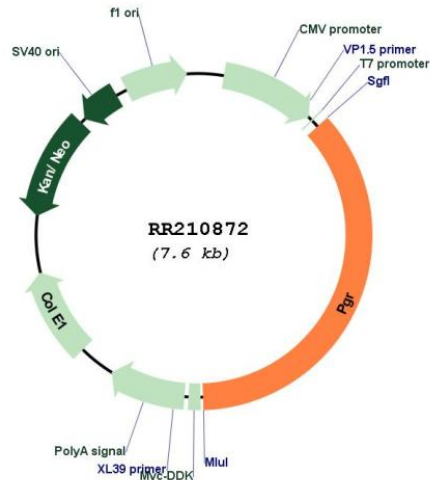
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_022847

ORF Size: 2769 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\\_022847.1](#), [NP\\_074038.1](#)

RefSeq Size: 3056 bp

RefSeq ORF: 2772 bp

Locus ID: 25154

UniProt ID: [Q63449](#)

Cytogenetics: 8q11

**MW:** 99.4 kDa

**Gene Summary:** receptor for progesterone; regulates glutamic acid decarboxylase expression in the hypothalamus during proestrus; may mediate production of the GnRH and LH surge [RGD, Feb 2006]