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Product datasheet for MR227418

Pgr (NM_008829) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgr (NM_008829) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgr
Synonyms:	9930019P03Rik; BB114106; NR3; NR3C3; P; PR; PR-A; PR-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR227418 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTGAGCTGCAGGCAAAGGATCCGCAGGTTCTCCACACGTCTGGCGCTTCGCCCTCCCCCCCACACA
TCGGGTCCCCCTTGCTTGCACGCTTGGACTCAGGTCCCTTCCAAGGGAGCCAGCACTCGGACGTGTCGTC
TGTAGTCTCGCCTATACCGATCTCCCTGGACGGGCTGCTTTTTCCTCGGTCCTGCCGGGGTCCCGAGCTC
CCAGACGGAAAGACAGGGGACCAGCAGTCGCTGTCCGACGTGGAGGGAGCTTTCTCTGGGGTAGAAGCCA
CTCATAGGGAAGGAGGCAGAAATTCCAGAGCCCCGGAGAAGGACAGCAGACTCTTAGACAGTGTCTTAGA
CTCGTTGTTGACTCCCTCCGGGACCGAACAGAGTCACGCCAGCCCTCCAGCCTGCGAGGCCATCACTTCC
TGGTGTCTCTTTGGGCCAGAGCTTCCAGAAGACCCCCGCAGTGTCCCTGCTACCAAAGGGTTGTTGTCCC
CGCTCATGAGTCGGCCAGAGATCAAGGCTGGCGACAGCTCCGGGACAGGAGCAGGACAGAAGGTGCTGCC
CAAAGGACTGTCACCACCCAGGCAGCTGTTGCTCCCTACCTCGGGGAGTGCTCACTGGCCCGGGGCAGGG
GTGAAGCCGTCCCCGCAGCCAGCTGCAGGGGAGGTGGAAGAGGACAGTGGCCTGGAGACCGAGGGCTCTG
CAGCTCCGCTTCTAAAGAGCAAACCTCGAGCACTGGAAGGCACCGGCAGCGGAGGAGGAGTCGCAGCCAA
CGCGGCCTCAGCGGCCCCAGGCGGTGTCACTCTGGTCCCAAAGGAAGATTCACGGTTTTCTGCTCCTAGG
GTCTCCTTGGAGCAAGACTCTCCCATTGCCCCCGGGCGCTCCCCACTGGCCACCACAGTGGTGGATTTCA
TCCATGTGCCCATCCTGCCTCTGAACCACGCACTCCTGGCCGCCCGCACCCGGCAGCTGCTGGAGGGGGA
CAGCTACGACGGCGGGGCCACAGCCCAGGGCCCTTTTGCCCCGCCTAGGGGCTCGCCCTCCGCGCCATCC
CCGCCGGTGCCCTGCGGTGACTTCCCAGACTGCACCTACCCTCTGGAAGGCGACCCCAAAGAGGACGTGT
TCCCTCTTTACGGCGACTTCCAGACGCCTGGCTTGAAGATCAAGGAGGAGGAGGAGGGCGCGGATGCTGC
TGTGCGCTCGCCGCGCCCCTACCTGTCGGCTGGAGCCAGCTCCTCCACCTTCCCAGACTTCCCGCTGGCA
CCCGCGCCGCAGCGAGCGCCATCCTCCAGGCCCGGAGAAGCGGCGGTGGCCGGCGGACCCAGCAGCGCCG
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CACGCAGGGTTCGTTCGCGCCACTGCCGTGCAAGCCCCCAGCCGCCGGCTCCTGCCTACTACCCCGGGAC
AGCCTGCCGGCCGCCCCGGCCACCGCCGCAGCACCCGCCATCTACCAGCCGCTCGGCCTCAATGGGCTCC
CGCAGCTGGGCTACCAGGCCGCGGTGCTCAAGGACAGCCTGCCCCAGGTCTACCCGCCATACCTTAACTA
CCTGAGGCCAGATTCAGAAGCCAGCCAGAGCCCACAGTATGGCTTTGATTCCTTACCTCAGAAGATCTGC
TTAATCTGCGGGGATGAAGCATCTGGCTGTCACTATGGCGTGCTTACCTGTGGGAGCTGCAAGGTCTTCT
TTAAGAGGGCAATGGAAGGGCAGCATAACTATTTATGTGCTGGAAGAAATGACTGCATTGTTGATAAAAT
TCGCAGAAAAAACTGCCCAGCATGTCGTCTGAGAAAGTGTTGTCAGGCTGGCATGGTCCTTGGAGGTCGT
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GCCTTCCTAACGAGAGCCAGGCCCTGGGCCAGAGAATCACCTTTTCACCAAATCAAGAAATTCAACTGGT
CCCGCCACTCATCAACCTGCTCATGAGCATTGAGCCTGATGTGGTCTATGCAGGGCATGACAACACAAAG
CCTGACACTTCCAGCTCTTTGCTGACCAGTCTCAACCAACTAGGCGAGAGACAACTGCTTTCAGTAGTCA
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TGTGGCAAATCCCACAGGAGTTTGTCAAACTCCAGGTGACCCATGAGGAATTCCTCTGTATGAAAGTCTT
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TATATCCGCGAATTGATCAAGGCAATTGGTTTAAGACAGAAAGGGGTTGTCCCCAGCTCACAGCGCTTCT
ACCAACTCACAAAACTTCTCGACAGCTTGCATGATCTTGTGAAACAGCTCCACCTGTACTGCTTGAATAC
ATTCATCCAATCCCGGACACTGGCTGTGGAATTTCCGGAAATGATGTCTGAAGTTATTGCTGCCCAGTTG
CCCAAGATCCTGGCGGGCATGGTGAAGCCGCTCCTCTTTCACAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

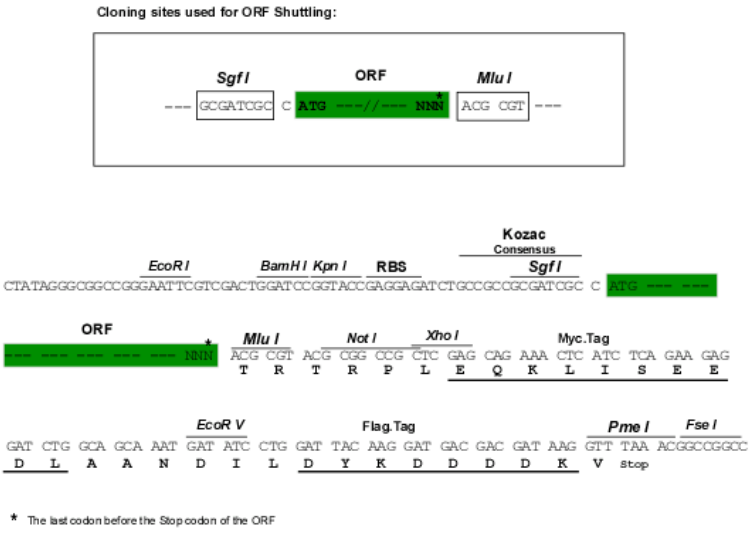
>MR227418 protein sequence
Red=Cloning site Green=Tags(s)

MTELQAKDPQVLHTSGASPSPPHIGSPLLARLDSGPFQGSQHSDVSSVVSPIPISLDGLLFPRSCRGPEL
PDGKTGDQQSLSDVEGAFSGVEATHREGGRNSRAPEKDSRLLDSVLDSLLTPSGTEQSHASPPACEAITS
WCLFGPELPEDPRSVPATKGLLSPLMSRPEIKAGDSSGTGAGQKVLPKGLSPPRQLLLPTSGSAHWPGAG
VKPSPQPAAGEVEEDSGLETEGSAAPLLKSKPRALEGTGSGGGVAANAASAAPGGVTLVPKEDSRFSAPR
VSLEQDSPIAPGRSPLATTVVDFIHVPILPLNHALLAARTRQLLEGDSYDGGATAQGPFAPPRGSPSAPS
PPVPCGDFPDCTYPLEGDPKEDVFPLYGDFQTPGLKIKEEEEGADAAVRSPRPYLSAGASSSTFPDFPLA
PAPQRAPSSRPGEAAVAGGPSSAAVSPASSSGSALECILYKAEGAPPTQGSFAPLPCKPPAAGSCLLPRD
SLPAAPATAAAPAIYQPLGLNGLPQLGYQAAVLKDSLPQVYPPYLNYLRPDSEASQSPQYGFDSLPQKIC
LICGDEASGCHYGVLTCGSCKVFFKRAMEGQHNYLCAGRNDCIVDKIRRKNCPACRLRKCCQAGMVLGGR
KFKKFNKVRVMRTLDGVALPQSVGLPNESQALGQRITFSPNQEIQLVPPLINLLMSIEPDVVYAGHDNTK
PDTSSSLLTSLNQLGERQLLSVVKWSKSLPGFRNLHIDDQITLIQYSWMSLMVFGLGWRSYKHVSGQMLY
FAPDLILNEQRMKELSFYSLCLTMWQIPQEFVKLQVTHEEFLCMKVLLLLNTIPLEGLRSQSQFEEMRSS
YIRELIKAIGLRQKGVVPSSQRFYQLTKLLDSLHDLVKQLHLYCLNTFIQSRTLAVEFPEMMSEVIAAQL
PKILAGMVKPLLFHKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

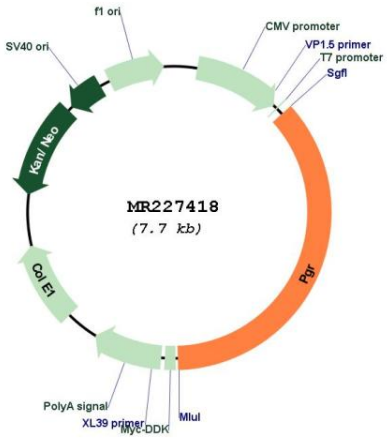


ACCN: NM_008829

ORF Size: 2781 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_008829.2, NP_032855.2
RefSeq Size:	6889 bp
RefSeq ORF:	2781 bp
Locus ID:	18667
UniProt ID:	Q00175
Cytogenetics:	9 A1
MW:	99 kDa
Gene Summary:	This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR227418