

Product datasheet for RC201918

PGRMC1 (NM_006667) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PGRMC1 (NM_006667) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PGRMC1
Synonyms: Dap1; HPR6.6; IZA; MPR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201918 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCCGAGGATGTGGTGGCGACTGGCGCCGACCCAAGCGATCTGGAGAGCGCGGGCTGCTGCATG
 AGATTTTCACGTCGCGCTCAACTGCTGCTGCTTGGCCTCTGCATCTTCTGCTCTACAAGATCGTGCG
 CGGGGACCAGCCGGCGCCAGCGCGCACAGCGACGACGAGCCGCCCTCTGCCCGCTCAAGCGG
 CGCGACTTCAACCCCGCGAGCTGCGGCGCTTCGACGGCGTCCAGGACCCGCGCATACTCATGGCCATCA
 ACGGCAAGGTGTTTCGATGTGACCAAAGGCCGAAATTCTACGGGCCCGAGGGCCGTATGGGGTCTTTGC
 TGAAGAGATGCATCCAGGGCCTTGCACATTTTGCCTGGATAAGGAAGCACTGAAGGATGAGTACGAT
 GACCTTTCTGACCTCACTGCTGCCAGCAGGAGACTCTGAGTACTGGGAGTCTCAGTTCACTTTCAAGT
 ATCATCAGTGGGCAAACTGCTGAAGGAGGGGAGGCCACTGTGTACTCAGATGAGGAAGAACCAAA
 AGATGAGAGTGCCCGAAAAATGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201918 protein sequence
 Red=Cloning site Green=Tags(s)

MAAEDVVATGADPSDLESGLLHEIFTSPLNLLLLGLCIFLLYKIVRGDQPAASGSDDDDEPPPLRLKR
 RDFTPAELRRFDGVQDPRILMANGKVFVTKGRKFGPEGPYGVFAGRDRGLATFCLDKKDEYD
 DLSDLTAAQETLSDWESQFTFKYHHVKGKLLKEGEEPTVYSDEEPEPKDESARKND

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6135_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006667

ORF Size: 585 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).

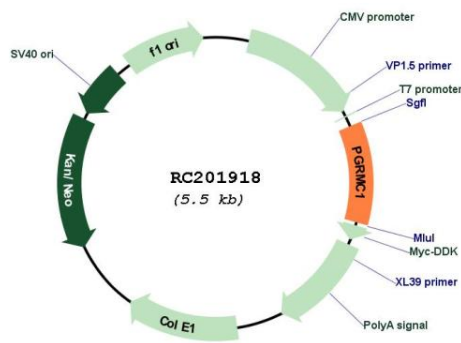
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

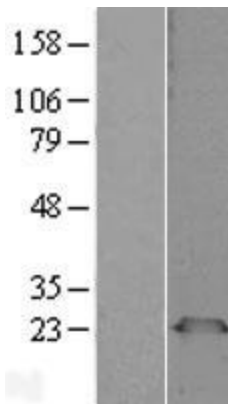
RefSeq: [NM_006667.5](#)

RefSeq Size: 1931 bp

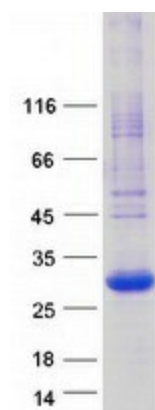
| | |
|-------------------|--|
| RefSeq ORF: | 588 bp |
| Locus ID: | 10857 |
| UniProt ID: | O00264 |
| Cytogenetics: | Xq24 |
| Domains: | heme_1 |
| Protein Families: | Druggable Genome, Nuclear Hormone Receptor, Transmembrane |
| MW: | 21.7 kDa |
| Gene Summary: | This gene encodes a putative membrane-associated progesterone steroid receptor. The protein is expressed predominantly in the liver and kidney. [provided by RefSeq, Mar 2010] |

Product images:


Circular map for RC201918



Western blot validation of overexpression lysate (Cat# [LY401994]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201918 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PGRMC1 protein (Cat# [TP301918]). The protein was produced from HEK293T cells transfected with PGRMC1 cDNA clone (Cat# RC201918) using MegaTran 2.0 (Cat# [TT210002]).