

## Product datasheet for RC232525

### Progesterone Receptor (PGR) (NM\_001271162) Human Tagged ORF Clone

#### Product data:

|                          |  |
|--------------------------|--|
| Product Type:            | Expression Plasmids  |
| Product Name:            | Progesterone Receptor (PGR) (NM_001271162) Human Tagged ORF Clone              |
| Tag:                     | Myc-DDK  |
| Symbol:                  | PGR  |
| Synonyms:                | NR3C3; PR  |
| Vector:                  | pCMV6-Entry (PS100001)   |
| E. coli Selection:       | Kanamycin (25 ug/mL)   |
| Cell Selection:          | Neomycin   |
| ORF Nucleotide Sequence: | >RC232525 representing NM_001271162<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAAGGGCAGCACAACACTACTTATGTGCTGGAAGAAATGACTGCATCGTTGATAAAATCCGCAGAAAA  
ACTGCCAGCATGTCGCCTTAGAAAGTGTCTCAGGCTGGCATGGTCCTTGGAGGTCGAAAAATTTAAAA  
GTTCAATAAAGTCAGAGTTGTGAGAGCACTGGATGCTGTTGCTCTCCACAGCCAGTGGCGTTCCAAAT  
GAAAGCCAAGCCCTAAGCCAGAGATTCACCTTTTACCAGGTCAAGACATACAGTTGATTCCACCACTGA  
TCAACCTGTTAATGAGCATTGAACCAGATGTGATCTATGCAGGACATGACAACACAAAACCTGACACCTC  
CAGTTCCTTTGCTGACAAGTCTTAATCAACTAGGCGAGAGGCAACTTCTTTCAGTAGTCAAGTGGTCTAAA  
TCATTGCCAGGTTTTCGAAACTTACATATTGATGACCAGATAACTCTCATTCAAGTATTCTTGGATGAGCT  
TAATGGTGTGGTCTAGGATGGAGATCCTACAAACACGTCAGTGGGCAGATGCTGTATTTTGCACCTGA  
TCTAATACTAAATGAACAGCGGATGAAAGAATCATCATTCTATTCAATATGCCTTACCATGTGGCAGATC  
CCACAGGAGTTTGTCAAGCTTCAAGTTAGCCAAGAAGAGTTCCTCTGTATGAAAGTATTGTTACTTCTTA  
ATACAATTCCTTTGGAAGGGCTACGAAGTCAAACCCAGTTTGGAGAGATGAGGTCAGGTCATCACTTAGAGA  
GCTCATCAAGGCAATTGGTTTGGGCAAAAAGGAGTTGTGTCGAGCTCACAGCGTTTCTATCAACTTACA  
AAACTTCTTGATAACTTGCATGATCTTGTCAAACAACTTCACTGTACTGCTTGAATACATTTATCCAGT  
CCCGGGCACTGAGTGTGAAATTTCCAGAAATGATGTCTGAAGTTATTGCTGCACAATTACCCAAGATATT  
GGCAGGGATGGTGAACCCCTTCTCTTTCATAAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232525 representing NM\_001271162  
Red=Cloning site Green=Tags(s)

MEGQHNYLCAGRNDICVDKIRRKNCPACRLRKCCQAGMVLGGRKFKKFNKVRVVRALDAVALPQPVGVPN  
 ESQALSQRFTTFSPGQDIQLIPPLINLLMSIEPDVIYAGHDNTKPDTSSSLTSLNQLGERQLLSVVKWSK  
 SLPGFRNLHIDDQITLIQYSWMSLMVFLGWRSYKHVSGQMLYFAPDLILNEQRMKESFYSLCLTMWQI  
 PQEFVKLQVSQEEFLCMKVLNLLNTIPLLEGLRSQTQFEEMRSSYIRELIKAIGLRQKGVVSSQRFYQLT  
 KLLDNLHDLVKQLHLVCLNTFIQSRALSVFPEMSEVIAAQLPKILAGMVKPLLFHKK

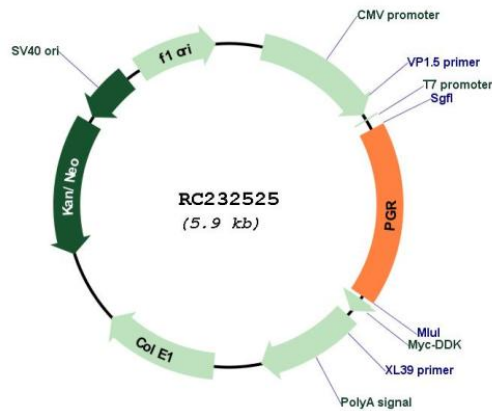
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001271162

**ORF Size:** 1017 bp

|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>   |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_001271162.2</a>   |
| <b>RefSeq Size:</b>           | 10957 bp   |
| <b>RefSeq ORF:</b>            | 1020 bp  |
| <b>Locus ID:</b>              | 5241   |
| <b>UniProt ID:</b>            | <a href="#">P06401</a>   |
| <b>Cytogenetics:</b>          | 11q22.1  |
| <b>Protein Families:</b>      | Druggable Genome, Nuclear Hormone Receptor, Transcription Factors  |
| <b>Protein Pathways:</b>      | Oocyte meiosis, Progesterone-mediated oocyte maturation  |
| <b>MW:</b>                    | 39.2 kDa   |
| <b>Gene Summary:</b>          | 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. This gene uses two distinct promoters and translation start sites in the first exon to produce several transcript variants, both protein coding and non-protein coding. Two of the isoforms (A and B) are identical except for an additional 165 amino acids found in the N-terminus of isoform B and mediate their own response genes and physiologic effects with little overlap. [provided by RefSeq, Sep 2015] |