

Product datasheet for **SC333037**

Progesterone Receptor (PGR) (NM_001271161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Progesterone Receptor (PGR) (NM_001271161) Human Untagged Clone
Tag:	Tag Free
Symbol:	Progesterone Receptor
Synonyms:	NR3C3; PR
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC333037 representing NM_001271161.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGCCGGTCCGGGTGCAAGGTTGGAGACAGCTCCGGGACGGCAGCTGCCATAAAGTGTGCCCGG
GGCCTGTACACAGCCCGGCAGCTGCTGCTCCCGGCCTCTGAGAGCCCTCACTGGTCCGGGGCCCCAGTG
AAGCCGCTCCGCAGGCCGCTGCGGTGGAGTTGAGGAGGAGGATGGCTCTGAGTCCGAGGAGTCTGCC
GGTCCGCTTCTGAAGGGCAAACCTCGGGCTCTGGGTGGCGCGGGCTGGAGGAGGAGCCGCGGTCTC
CCGCCGGGGCGGCAGCAGGAGGCGTCCGCTGGTCCCAAGGAAGATTCCCGCTTCTCAGCGCCAGG
GTCGCTGTTGGAGCAGGACGCGCCGATGGCGCCGGGCGCTCCCGCTGGCCACCACGGTGATGGAT
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GACGAAAGTTACGACGGCGGGGCGGGGCTGCCAGCGCCTTTGCCCGCCGCGGAGTTACCCCTGTGCC
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GACGCGTACCCTCTATAGCGACTCCAGCCCGCTCTAAAGATAAAGGAGGAGGAGGAAGGCGCG
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GCCGACCCGCCAGTGCCTCAGTCTGCTGCTCCTCCTCGGGTGCACCTGGAGTGCATCCTGTAC
AAAGCGGAGGGCGCGCCGCCAGCAGGGCCCGTTGCGCGCCGCCCTGCAAGGCGCGGGCGCGAGC
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CAATACAGCTTCGAGTCATTACCTCAGAAGATTTGTTAATCTGTGGGGATGAAGCATCAGGCTGCAT
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TCGAGCTCACAGCTTTCTCAACTTACAAAACCTTCTGATAACTTGCATGATCTGTCAAACAACCT
CATCTGTACTGCTGAATACATTTATCCAGTCCCGGGCACTGAGTGTGAATTTCCAGAAATGATGTCT
GAAGTTATTGCTGCACAATTACCAAGATATTGGCAGGGATGGTGAACCCCTTCTTTTATAAAAAG
TGA
  
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Restriction Sites: Sgfl-NotI

ACCN: NM_001271161

Insert Size: 2004 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001271161.2](#)

RefSeq Size: 11981 bp

RefSeq ORF: 2004 bp

Locus ID: 5241

UniProt ID: [P06401](#)

Cytogenetics: 11q22.1

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: Oocyte meiosis, Progesterone-mediated oocyte maturation

MW: 71.1 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. 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]

Transcript Variant: This variant (3) lacks an alternate in-frame exon in the coding region, compared to variant 1, resulting in a shorter isoform (C). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.