

## Recombinant Human PGR

Cat. No. PGR-29707TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 412-562 of Human Progesterone Receptor, 43kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	412-562 a.a.
<b>Description</b>	<p>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 two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform B and mediate their own response genes and physiologic effects with little overlap.</p>
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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**Sequence Similarities** Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.

## GENE INFORMATION

**Gene Name** PGR progesterone receptor [ Homo sapiens ]

**Official Symbol** PGR

**Synonyms** PGR; progesterone receptor; NR3C3; PR;

**Gene ID** 5241

**mRNA Refseq** NM\_000926

**Protein Refseq** NP\_000917

**MIM** 607311

**Uniprot ID** P06401

**Chromosome Location** 11q22-q23

**Pathway** Cellular roles of Anthrax toxin, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-specific biosystem;

**Function** DNA binding; enzyme binding; metal ion binding; protein binding; receptor activity;

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