

Recombinant Human PGR

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 412-562 of Human Progesterone Receptor, 43kDa.
Species	Human
Source	E.coli
ProteinLength	412-562 a.a.
Description	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.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	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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