

## Recombinant Human PGR protein, MYC/DDK-tagged

Cat. No. PGR-183H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PGR fused with MYC/DDK tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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 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.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	98.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene Name</b>	PGR progesterone receptor [ Homo sapiens ]
<b>Official Symbol</b>	PGR
<b>Synonyms</b>	PGR; progesterone receptor; NR3C3; PR; nuclear receptor subfamily 3 group C member 3;
<b>Gene ID</b>	5241
<b>mRNA Refseq</b>	NM_000926
<b>Protein Refseq</b>	NP_000917
<b>MIM</b>	607311
<b>UniProt ID</b>	P06401
<b>Chromosome Location</b>	11q22-q23
<b>Pathway</b>	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; Nuclear signaling by ERBB4, organism-specific biosystem; Oocyte meiosis, organism-specific biosystem;
<b>Function</b>	DNA binding; enzyme binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; receptor activity; receptor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid binding; steroid hormone receptor activity; zinc ion binding;

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