Recombinant Human PGR protein, MYC/DDK-tagged

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

SPECIFICATION

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

GENE INFORMATION

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Gene Name	PGR progesterone receptor [Homo sapiens]
Official Symbol	PGR
Synonyms	PGR; progesterone receptor; NR3C3; PR; nuclear receptor subfamily 3 group C member 3;
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; Nuclear signaling by ERBB4, organism-specific biosystem; Oocyte meiosis, organism-specific biosystem;
Function	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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