Recombinant Human PGR protein, His & T7-tagged

Cat. No. PGR-6753H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGR aa. (Ala412~Leu562 (Accession # P06401)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala412~Leu562
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 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

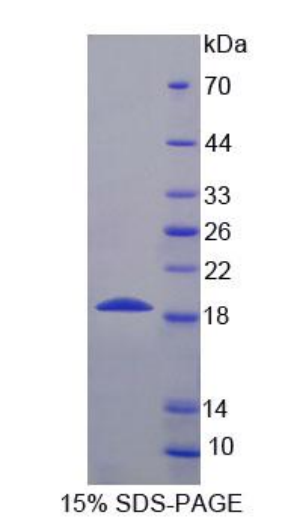
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Characteristic	The isoelectric point is 4.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	PGR progesterone receptor [Homo sapiens (human)]
Official Symbol	PGR
Synonyms	PR; NR3C3; nuclear receptor subfamily 3 group C member 3; progesterone receptor
Gene ID	5241
mRNA Refseq	NM_000926.4

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Protein Refseq	NP_000917.3
UniProt ID	P06401
SDS-PAGE	

15% SDS-PAGE

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