

Recombinant Human PGR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PGR-5861H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PGR MS Standard C13 and N15-labeled recombinant protein (NP_000917) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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 promoters 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.
Molecular Mass	98.8 kDa
AA Sequence	MTELKAKGPRAPHVAGGPPSPEVGSPLLCRPAAGPFGSQTSDLXEVSAIPISLDG LLFPRPCQGQDPSDEKTQDQQSLSDVEGAYSRAEATRGAGGSSSSPPEKDSGLLD SVLDTLLAPSGPGQSQPSPPACEVTSSWCLFGPELPEDPPAAPATQRVLSPLMSRS GCKVGDSSGTAAAHKVLPRGLSPARQLLLPASESPHWSGAPVKPSPQAAAVEVEE EDGSESEESAGPLLKGKPRALGGAAAGGGAAAVPPGAAAGGVALVPKEDSRFSAP

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RVALVEQDAPMAPGRSPLATTVMDFIHVPILPLNHALLAARTRQLLEDESYDGGAGA
 ASAFAPPRSSPCASSTPVAVGDFPDCAYPDAEPKDDAYPLYSDFQPPALKIKEEEE
 XAEASARSPRSYLVAGANPAAFPDFPLGPPPPLPPRATPSRPGAAVTAAPASASV
 SSASSSGSTLECILYKAEGAPPQQGPFAPPPCKAPGASGCLLPDGLPSTSASAAA
 AGAAPALYPALGLNGLPQLGYQAAVLKEGLPQVYPPYLNLYLRPDSEASQSPQYSFE
 SLPQKICLICGDEASGCHYGVLTGSGCKVFFKRAMEGQHNYLCAGRND CIVDKIRRK
 NCPACRLRKCCQAGMVLGGRKFKKFNKVRVVRAALDAVALPQPVGVPNESQALSQR
 FTFSPGQDIQLIPPLINLLMSIEPDVIYAGHDNTKPDTS SLLTSLNQLGERQLLSVVK
 WSKSLPGFRNLHIDDQITLIQYSWMSLMVFGLGWSYKHVSGQMLYFAPDLILNEQ
 RMKESSFYSLCLTMWQIPQEFVKLQVSQEEFLCMKVLLLLNTIPLEGLRSQTQFEEM
 RSSYIRELIKAIGLRQKGVVSSSQRFYQLTKLLDNLHDLVKQLHLYCLNTFIQSRALSV
 EFPEMMSEVIAAQLPKILAGMVKPLL FHKKTRRLEQKLISEEDLAANDILDYKDDDDK
 V

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PGR progesterone receptor [Homo sapiens (human)]

Official Symbol PGR

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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
SDS-PAGE	