

Product datasheet for PH321303

Progesterone Receptor (PGR) (NM_000926) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PGR MS Standard C13 and N15-labeled recombinant protein (NP_000917)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221303
Predicted MW:	99 kDa
Protein Sequence:	>Peptide sequence encoded by RC221303 Blue=ORF Red=Cloning site Green=Tag(s)

MTELKAKGPRAPHVAGGPPSPEVGSPLLCRPAAGPFGSQTSDTLPEVSAIPIISLDGLLFRPCQGQDP
SDEKTQDQQSLSDVEGAYSRAEATRGAAGSSSPPEKDSGLLDVLDTLAPSGPGQSQPSPPACEVTS
SWCLFGPELPEPPAAPATQRVLSPLMSRSGCKVGDSSGTAAAHKVLPRGLSPARQLLLPASESPHWSG
APVKPSPQAAAVEVEEEDGSESEESAGPLLK GKPRALGAAAGGGAAAVPPGAAAGGVALVPKEDSRFS
APRVALVEQDAPMAPGRSPLATTVMDFIHVPIPLNHALLAARTRQLEDES YDGGAGAASAFAPRSS
PCASSTPVAVGDFPDCA YPPDAEPKDDAYPLYSDFQPPALKI EEEEEGAEASARSPRSYL VAGANPAAF
PDFPLGPPPLPPRATPSRPGAAVTAAPASASVSSASSSGSTLECILYKAEGAPPQGGPFAPPCKAP
GASGCLLPRDGLPSTASAAAAGAAPALYPALGLNGLPQLGYQAAVLKEGLPQVYPPYLNLYRPDSEAS
QSPQYSFESLPQKICLICGDEASGCHYGVLTCGSCKVFFKRAMEGQHNYLCAGRNDICIVDKIRRNCPA
CRLRKCCQAGMVLGGRKFKKFNKVRVVRALDAVALPQVGVPNESQALSQRFTFSPGQDIQLIPPLINL
LMSIEPDVIYAGHDNTKPD TSSLLTSLNQLGERQLLSVKWWSKSLPGFRNLHIDDQITLIQYSWMSLM
VFGLGWRYSYKHVSGQMLYFAPDLILNEQRMKESSFYSLCLTMWQIPQEFVKLQVSQEEFLCMKVL LLLN
TIPLEGLRSQTQFEEMRSSYIREL IKAIGLRQKGVVSSSRFYQLTKLLDNLHDLVKQLHL YCLNTFIQ
SRALSVEFPEMMSEVIAAQLPKILAGMVKPLLFHKK
TRPLEQKLI SEEDL AANDILDYKDDDDKV

Recombinant protein using RC221303 also available, [TP321303](#)

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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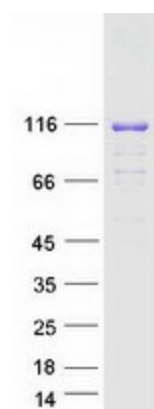
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000917
RefSeq Size:	5003
RefSeq ORF:	2799
Synonyms:	NR3C3; PR
Locus ID:	5241
UniProt ID:	P06401
Cytogenetics:	11q22.1

Summary: 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. [provided by RefSeq, Sep 2015]

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified PGR protein (Cat# [TP321303]). The protein was produced from HEK293T cells transfected with PGR cDNA clone (Cat# [RC221303]) using MegaTran 2.0 (Cat# [TT210002]).