

Product datasheet for **TP321303L**

Progesterone Receptor (PGR) (NM_000926) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human progesterone receptor (PGR), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC221303 Blue=ORF Red=Cloning site Green=Tag(s)

MTELKAKGPRAPHVAGGPPSPEVGSPLLCRPAAGPFFGSQTSDTLPEVSAIPISLDGLLFP RPCQGQDP
SDEKTQDQQLSDVEGAYSRAEATRGAGSSSSPPEKDSGLLDSVLDLTLAPSGPGSQSPSPACEVTS
SWCLFGPELPEDPPAAPATQRVLSPLMSRSGCKVGDSSGTAAAHKVLPRGLSPARQLLLPASESPHWSG
APVKPSPQAAAVEVEEEDGSESEESAGPLLK GKPRALGGAAAGGAAVPPGAAAGGVALVPKEDSRFS
APRVALVEQDAPMAPGRSPLATTVMDFIHVPILPLNHALLAARTRQ LLEDES YDGGAGAASAFAPPRSS
PCASSTPVAVGDFPDCA YPPDAEPKDDAYPLYSDFQPPALKIKEEEEGAEASARSPRSYLVAGANPAAF
PDFPLGPPPPLPPRATPSRPGEA AVTAAPASASVSSASSSGSTLECILYKAEGAPPQQGPFAPPPCKAP
GASGCLLP RDGLPSTSASAAA GAAPALYPALGLNGLPQLGYQAAVLKEGLPQVYPPYLN YLRPDSEAS
QSPQYSFESLPQKICLICGDEASGCHYGVLT CGSCKVFFKRAMEGQHNYLCAGRND CIVDKIRRNCPA
CRLRKCCQAGMVLGGRKF KFNKVRWRALDAVALPQPVGVPNESQALSQRFTFSPGQDIQLIPLINL
LMSIEPDVIYAGHDNTKPD TSSLLTSLNQLGERQLLSVWKWSKSLPGFRNLHIDDQITLIQYSWMSLM
VFGLGWRSYKHVSGQMLYFAPDLILNEQRMKESSFYSLCLTMWQIPQEFVKLQVSQEEFLCMKVL LLLL
TIPLEGLRSQTQFEEMRSSYIRELIKAIGLRQKGVSSSQRFYQLTKLLDNLHDLVKQLHLYCLNTFIQ
SRALSVEFPMMSEVIAAQLPKILAGMVKPLLFHKK
TRPLEQKLISEEDLAANDILDYKDDDDKV

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

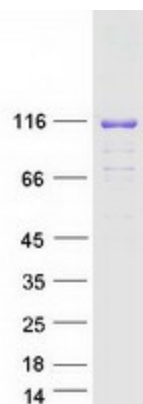
Tag:	C-Myc/DDK
Predicted MW:	98.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000917
Locus ID:	5241
UniProt ID:	P06401
RefSeq Size:	5003
Cytogenetics:	11q22.1
RefSeq ORF:	2799
Synonyms:	NR3C3; PR
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]).