

Product datasheet for **TP321303M**

Progesterone Receptor (PGR) (NM_000926) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human progesterone receptor (PGR), 100 µg |
| 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
SDEKTQDQQLSDVEGAYSRAEATRGAGSSSSPPEKDSGLLDSVLDTLLAPSGPGSQSPSPACEVTS
SWCLFGPELPEDPPAAPATQRVLSPLMSRSGCKVGDSSGTAAAHKVLPRGLSPARQLLLPASESPHWSG
APVKPSPQAAAVEVEEEDGSESEESAGPLLK GKPRALGGAAAGGAAVPPGAAAGGVALVPKEDSRFS
APRVALVEQDAPMAPGRSPLATTVMDFIHVPILPLNHALLAARTRQ LLEDES YDGGAGAASAFAPPRSS
PCASSTPVAVGDFPDCA YPPDAEPKDDAYPLYSDFQPPALKIKEEEEGAEASARSPRSYLVAGANPAAF
PDFPLGPPPPLPPRATPSRPGEA AVTAAPASASVSSASSSGSTLECILYKAEGAPPQQGPFAPPPCKAP
GASGCLLP RDGLPSTSASAAA GAAPALYPALGLNGLPQLGYQAAVLKEGLPQVYPPYLN YLRPDSEAS
QSPQYSFESLPQKICLICGDEASGCHYGVLT CGSCKVFFKRAMEGQHNYLCAGRND CIVDKIRRNCPA
CRLRKCCQAGMVLGGRKFKKFNKVRWRALDAVALPQPVGVPNESQALSQRFTFSPGQDIQLIPLINL
LMSIEPDVIYAGHDNTKPD TSSLLTSLNQLGERQLLSVWKWSKSLPGFRNLHIDDQITLIQYSWMSLM
VFGLGWRSYKHVSGQMLYFAPDLILNEQRMKESSFYSLCLTMWQIPQEFVKLQVSQEEFLCMKVL LLLL
TIPLEGLRSQTQFEEMRSSYIRELIKAIGLRQKGVSSSQRFYQLTKLLDNLHDLVKQLHLYCLNTFIQ
SRALSVEFPMMSEVIAAQLPKILAGMVKPLL FHKK
TRPLEQKLISEEDLAANDILDYKDDDDKV

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

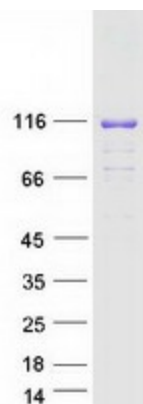
| | |
|----------------|---|
| Tag: | C-Myc/DDK |
| Predicted MW: | 98.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



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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]).