

Progesterone receptor Recombinant Protein | PGR recombinant protein

Recombinant Human Progesterone receptor(PGR)

CATALOG # AAA116159	HOST E Coli	APPLICATIONS Calibrator
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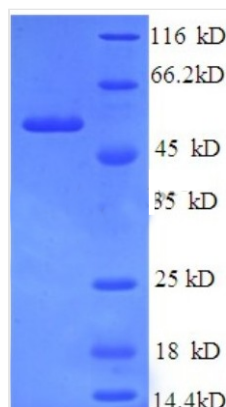
PRODUCT SYNONYMS

Progesterone receptor; Recombinant Human Progesterone receptor(PGR); Nuclear receptor subfamily 3 group C member 3; PGR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	85% ± 5% by SDS-PAGE
Form/Format	Liquid, dissolved in 20mM Tris-HCl, 500mM NaCl, pH 8.0, 50% glycerol
Sequence Positions	4-232
Sequence	LKAKGPRAPH VAGGPPSPEV GSPLLCRPAA GPFPGSQTSD TLPEVSAIPI SLDGLLFPRP CQGQDPSDEK TQDQQSLSDV EGAYSRAEAT RGAGGSSSSP PEKDSGLLDV VLDTLAPSG PGQSQPSPA CEVTSSWCLF GPPELPPPA APATQRVLS LMSRSGCKVG DSSGTAAHK VLPRGLSPAR QLLPASESP HWSGAPVKPS PQAAAVEVEE EDGSESEES
Sequence Length	933
Applicable Applications for PGR recombinant protein	Calibrator
Tag	GST-tag
Product Note	Applications are user defined. Product is developed and quality control tested in house, data or additional information may be provided upon request. The researcher needs to establish and confirm the suitability of the product for their application.
Preparation and Storage	Aliquot and store at < -20 degree C. Avoid repeated freeze / thaw cycles. -20 degree C for one year.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PGR recombinant protein	The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Progesterone receptor isoform B (PRB) is involved activation of c-SRC/MAPK signaling on hormone stimulation. Isoform A: inactive in stimulating c-Src/MAPK signaling on hormone stimulation. Isoform 4: Increases mitochondrial membrane potential and cellular respiration upon stimulation by progesterone.
Product Categories/Family for PGR recombinant protein	Transcription; Raw Materials Assay Development
References	Two distinct estrogen-regulated promoters generate transcripts encoding the two functionally different human progesterone receptor forms A and B.Kastner P., Krust A., Turcotte B., Stropp U., Tora L., Gronemeyer H., Chambon P.EMBO J. 9:1603-1614(1990) Complete amino acid sequence of the human progesterone receptor deduced from cloned cDNA.Misrahi M., Atger M., D'Auriol L., Loosfelt H., Meriel C., Fridlansky F., Guiochon-Mantel A., Galibert F., Milgrom E.Biochem. Biophys. Res. Commun. 143:740-748(1987) Kieback D.G., Agoulnik I.U., Tong X.-W.Progesterone Receptor, alternative splicing variant, mRNA.Hisatomi H., Wakita K., Kohno N., Nagao K., Hirata H., Hikiji K. The human progesterone receptor shows evidence of adaptive evolution associated with its ability to act as a transcription factor.Chen C., Opazo J.C., Erez O., Uddin M., Santolaya-Forgas J., Goodman M., Grossman L.I., Romero R., Wildman D.E.Mol. Phylogenet. Evol. 47:637-649(2008) Cloning and expression of a novel, truncated, progesterone receptor.Saner K.J., Welter B.H., Zhang F., Hansen E., Dupont B., Wei Y., Price T.M.Mol. Cell. Endocrinol. 200:155-163(2003) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) NIEHS SNPs programHuman chromosome 11 DNA sequence and analysis including novel gene identification.Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G., Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X., Zimmer A.R., Zody M.C., Birren B.W., Nusbaum C., Fujiyama A., Hattori M., Rogers J., Lander E.S., Sakaki Y.Nature 440:497-500(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611914
NCBI GeneID	5241
NCBI Accession #	NP_000917.3
NCBI GenBank Nucleotide #	NM_000926.4
UniProt Accession #	P06401; Q8TDS3; Q9UPF7; A7LQ08; A7X8B0; B4E3T0
NCBI Official Full Name	progesterone receptor isoform B
NCBI Official Synonym Full Names	progesterone receptor
NCBI Official Symbol	PGR
NCBI Official Synonym Symbols	PR; NR3C3

NCBI Protein Information	progesterone receptor
UniProt Protein Name	Progesterone receptor
UniProt Gene Name	PGR
UniProt Synonym Gene Names	NR3C3; PR
UniProt Entry Name	PRGR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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