

Datasheet for ABIN7555035

Progesterone Receptor Protein (PGR) (AA 1-933) (His tag)



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Overview

Quantity:	1 mg
Target:	Progesterone Receptor (PGR)
Protein Characteristics:	AA 1-933
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Progesterone Receptor protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PGR Protein expressed in mammalian cells.
Sequence:	<p>MTELKAKGPR APHVAGGPPS PEVGSPLLCR PAAGPFPGSQ TSDTLPEVSA IPISLDGLLF</p> <p>PRPCQGQDPS DEKTQDQQL SDVEGAYSRA EATRGAGGSS SSPPEKDSGL LDSVLDTLA</p> <p>PSGPGSQSPS PPACEVTSSW CLFGPELPED PPAAPATQRV LSPLMSRSGC KVGDSSTGTA</p> <p>AHKVLPRGLS PARQLLLPAS ESPHWSGAPV KPSPQAAAVE VEEEDGSESE ESAGPLLKGK</p> <p>PRALGGAAAG GGAAAVPPGA AAGGVALVPK EDSRFSAPRV ALVEQDAPMA PGRSPLATTV</p> <p>MDFIHVPILP LNHALLAART RQLEDESVD GGAGAASAFA PPRSSPCASS TPVAVGDFPD</p> <p>CAYPPDAEPK DDAYPLYSDF QPPALKIKEE EEGAEASARS PRSYLVAGAN PAAFPDFPLG</p> <p>PPPPLPPRAT PSRPGAAVT AAPASASVSS ASSSGSTLEC ILYKAEGAPP QQGPFAPPP</p> <p>KAPGASGCLL PRDGLPSTSA SAAAAGAAPA LYPALGLNGL PQLGYQAAVL KEGLPQVYPP</p> <p>YLNLYRPDSE ASQSPQYSFE SLPQKICLIC GDEASGCHYG VLTGSGCKVF FKFRAMEQH</p> <p>YLCAGRNDI VDKIRRNCP ACRLKCCQA GMVLGGRKFK KFNKVRVVRA LDAVALPQPV</p> <p>GVPNESQALS QRFTFSPGQD IQLIPPLINL LMSIEPDVIY AGHDNTKPD TSSLLTSLNQ</p>

Product Details

LGERQLLSVV KWSKSLPGFR NLHIDDQITL IQYSWMSLMV FGLGWRSYKH VSGQMLYFAP
DLILNEQRMK ESSFYSLCLT MWQIPQEFVK LQVSQEEFLC MKVLLLLNTI PLEGLRSQTQ
FEEMRSSYIR ELIKAIGLRQ KGVVSSSQRF YQLTKLLDNL HDLVKQLHLY CLNTFIQSRA
LSVEFPEMMS EVIAAQLPKI LAGMVKPLL F HKK **Sequence without tag. The proposed
Purification-Tag is based on experiences with the expression system, a different complexity
of the protein could make another tag necessary. In case you have a special request, please
contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Progesterone Receptor (PGR)
Alternative Name:	PGR (PGR Products)
Background:	Progesterone receptor (PR) (Nuclear receptor subfamily 3 group C member 3),FUNCTION: The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Depending on the isoform, progesterone receptor functions as a transcriptional activator or repressor.

Target Details

	{ECO:0000269 PubMed:10757795, ECO:0000269 PubMed:1587864, ECO:0000269 PubMed:9407067, ECO:0000305}., FUNCTION: [Isoform A]: Ligand-dependent transdominant repressor of steroid hormone receptor transcriptional activity including repression of its isoform B, MR and ER. Transrepressional activity may involve recruitment of corepressor NCOR2. {ECO:0000269 PubMed:7969170, ECO:0000269 PubMed:8180103, ECO:0000269 PubMed:8264658, ECO:0000305, ECO:0000305 PubMed:10757795}., FUNCTION: [Isoform B]: Transcriptional activator of several progesteron-dependent promoters in a variety of cell types. Involved in activation of SRC-dependent MAPK signaling on hormone stimulation. {ECO:0000269 PubMed:7969170}., FUNCTION: [Isoform 4]: Increases mitochondrial membrane potential and cellular respiration upon stimulation by progesterone.
Molecular Weight:	99.0 kDa
UniProt:	P06401
Pathways:	Nuclear Receptor Transcription Pathway , Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway , Smooth Muscle Cell Migration

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months