

Datasheet for ABIN7550696

**PGRMC2 Protein (AA 1-223) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	PGRMC2
Protein Characteristics:	AA 1-223
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGRMC2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PGRMC2 Protein expressed in mammalian cells.
Sequence:	MAAGDGDVKL GTLGSGSESS NDGGSESPGD AGAAAEAGGGW AAAALALLTG GGEMLLNVAL VALVLLGAYR LWVRWGRRGL GAGAGAGEES PATSLPRMKK RDFSLEQLRQ YDGSRNPRIL LAVNGKVFDV TKGSKFYGPA GPYGIFAGRD ASRGLATFCL DKDALRDEYD DLSDLNAVQM ESVREWEMQF KEKYDYVGRL LKPGEEPSEY TDEEDTKDHN KQD <b>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.</b>
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:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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

## Target Details

Target:	PGRMC2
Alternative Name:	PGRMC2 ( <a href="#">PGRMC2 Products</a> )
Background:	Membrane-associated progesterone receptor component 2 (Progesterone membrane-binding protein) (Steroid receptor protein DG6),FUNCTION: Required for the maintenance of uterine histoarchitecture and normal female reproductive lifespan (By similarity). May serve as a universal non-classical progesterone receptor in the uterus (Probable). Intracellular heme chaperone required for delivery of labile, or signaling heme, to the nucleus (By similarity). Plays a role in adipocyte function and systemic glucose homeostasis (PubMed:28111073). In brown fat, which has a high demand for heme, delivery of labile heme in the nucleus regulates the activity of heme-responsive transcriptional repressors such as NR1D1 and BACH1 (By similarity). {ECO:0000250 UniProtKB:Q80UU9, ECO:0000269 PubMed:28111073, ECO:0000305 PubMed:28396637}.
Molecular Weight:	23.8 kDa
UniProt:	<a href="#">O15173</a>
Pathways:	<a href="#">Steroid Hormone Mediated Signaling Pathway</a>

## Application Details

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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

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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