

Datasheet for ABIN7558342

PGRMC2 Protein (AA 1-217) (His tag)



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Overview

Quantity:	1 mg
Target:	PGRMC2
Protein Characteristics:	AA 1-217
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGRMC2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pgrmc2 Protein expressed in mammalien cells.
Sequence:	MAAGDGDVKL STLGGGESG GDGSPGGAGA TAARSSWVAA LLATGGEMLL NVALVALVLL GAYRLWVRWG RRGLCSGPGA GEESPAATLP RMKKRDFSLE QLRQYDGART PRILLAVNGK VFDVTKGSKF YGPAGPYGIF AGRDASRGLA TFCLDKDALR DEYDDLSDLN AVQMESVREW EMQFKEKYDY VGRLLKPGEE PSEYTDEEDT KDHSKQD 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.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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, Western Blot

Grade: custom-made

Target Details

Target: PGRMC2

Alternative Name: Pgrmc2 ([PGRMC2 Products](#))

Background: Membrane-associated progesterone receptor component 2,FUNCTION: Required for the maintenance of uterine histoarchitecture and normal female reproductive lifespan (PubMed:28005395). 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. Plays a role in adipocyte function and systemic glucose homeostasis. 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 (PubMed:31748741). {ECO:0000269|PubMed:28005395, ECO:0000269|PubMed:31748741, ECO:0000305|PubMed:28005395}.

Molecular Weight: 23.3 kDa

UniProt: [Q80UU9](#)

Pathways: [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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