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Product Information

MemDX™ Membrane Protein Human PGRMC2 (Progesterone receptor membrane component 2) for Antibody Discovery

Cat. No.: **MP1228J**
This product is for research use only and is not intended for diagnostic use.

This product is a 26 kDa Human PGRMC2 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
PGRMC2

Protein Length
Full-length

Protein Class
Druggable Genome, Nuclear Hormone Receptor, Transmembrane

Molecular Weight
26 kDa

TMD
1

Sequence
MAAGDGDVKLGTLGSGSESSNDGGSESPGDAGAAAEGGGWAAAALALLTGGGEMLLNVALVALVLLGAYR
LWVRWGRRGLGAGAGAGEESPATSLPRMKKRDFSLEQLRQYDGSRNPRILLAVNGKVFDVTKGSKFYGPA
GPYGIFAGRDASRGLATFCLDKDALRDEYDDLSDLNAVQMESVREWEMQFKEKYDYVGRLLKPGEEPSEY
TDEEDTKDHNKQD

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

PGRMC2

Full Name

Progesterone receptor membrane component 2

Introduction

Required for the maintenance of uterine histoarchitecture and normal female reproductive lifespan. May serve as a universal non-classical progesterone receptor in the uterus. 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.

Alternative Names

DG6; PMBP; steroid receptor protein DG6; progesterone membrane binding protein

Gene ID

10424

UniProt ID

O15173

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