

Product Information

MemDX™ Membrane Protein Human PTGFR (Prostaglandin F receptor) for Antibody

Discovery

Cat. No.: **MP1060X**

This product is for research use only and is not intended for diagnostic use.

This product is a 66.5 kDa Human PTGFR membrane protein expressed in *in vitro* wheat germ expression system. 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

PTGFR

Protein Length

Full-length

Molecular Weight

66.5 kDa

TMD

7

Sequence

MSMNNSKQLVSPAAALLSNTTCQTENRLSVFFSVIFMTVGILSNSLAIAILMKAYQRFRQKSKASFLLLASGLVITDFFGHLINGAIAVF

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

Storage

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

Target**Target Protein**

PTGFR

Full Name

Prostaglandin F receptor

Introduction

The protein encoded by this gene is member of the G-protein coupled receptor family. This protein is a receptor for prostaglandin F2-alpha (PGF2-alpha), which is known to be a potent luteolytic agent, and may also be involved in modulating intraocular pressure and smooth muscle contraction in uterus. Knockout studies in mice suggest that the interaction of PGF2-alpha with this receptor may initiate parturition in ovarian luteal cells and thus induce luteolysis. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

FP; prostaglandin F2-alpha receptor; FP prostanoid receptor; PGF receptor; PGF2 alpha receptor; prostaglandin receptor (2-alpha); prostanoid FP receptor

Gene ID

[5737](#)

UniProt ID

[P43088](#)