

Product Information

MemDX™ Membrane Protein Human PTGFR (Prostaglandin F receptor) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3450K**

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

This product is a Human PTGFR membrane protein expressed *in vitro* *E.coli* 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

Protein Class

GPCR

TMD

7

Sequence

MSMNNSKQLVSPAAALLSNTTCQTENRLSVFFSVIFMTVGILSNSLAIAILMKAYQRFRQKSKASFLLLASGLVITDFFGHLINGAIAVF

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

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

Gene ID

[5737](#)

UniProt ID

[P43088](#)