

Product Information

MemDX™ Membrane Protein Human PTGFR (Prostaglandin F receptor) Full Length

Cat. No.: **MPC0231K**

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

This product is a 40 kDa Human PTGFR membrane protein expressed in Baculovirus/Insect 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

Molecular Weight

40 kDa

TMD

7

Sequence

MSMNSKQLVSPAAALLSNTTCQTENRLSVFFSVIFMTVGILSNSLAIAI
LMKAYQRFQKSKASFLLLASGLVITDFFGHLINGAIAVFVYASDKEWIR
FDQSNVLCISIFGICMVFSGLCPLLLGSVMAIERCIGVTKPIFHSTKITSK
HVKMMLSGVCLFAVFIALLPILGHRDYKIQASRTWCFYNTEDIKWEDRF
YLLFSFLGLLALGVSLLCNAITGITLLRVKFKSQQHRQGRSHHLEMVIQ
LLAIMCVSCICWSPFLVTMANIGINGNHSLETCTTLFALRMATWNQILD
PWVYILLRKAVLKNLYKLASQCCGVHVISLHIWELSSIKNSLKVAASES
PVAEKSAST

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

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

Gene ID

[5737](#)

UniProt ID

[P43088](#)