

Product Information

NativeExtract™ Human PTGFR Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX67**

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

This product is recombinant Human PTGFR protein in native nanodisc form. The synthetic compound we developed can solubilize the PTGFR protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

PTGFR

Protein Length

Full length

Molecular Weight

40.1kDa

Sequence

Accession # [P43088](#)

Product Description

Activity

Yes

Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems

HEK293 expression system

Tag

Flag tag at the C-terminus

Protein Format

Native Nanodisc

Form

Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -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; PTGFR; Prostaglandin F receptor

Gene ID

[5737](#)

UniProt ID

[P43088](#)