

Product Information

NativeExtract™ Human PTGER4 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX397**

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

This product is recombinant Human PTGER4 protein in native nanodisc form. The synthetic compound we developed can solubilize the PTGER4 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

PTGER4

Protein Length

Full length

Molecular Weight

53.1 kDa

Sequence

Accession # [P35408](#)

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**

PTGER4

Full Name

Prostaglandin E receptor 4

Introduction

The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses.

Alternative Names

EP4; EP4R; prostaglandin E2 receptor EP4 subtype; PGE receptor, EP4 subtype; PGE2 receptor EP4 subtype; prostaglandin E receptor 4 (subtype EP4); prostanoid EP4 receptor; PTGER4; Prostaglandin E receptor 4

Gene ID

[5734](#)

UniProt ID

[P35408](#)