

Product Information

NativeExtract™ Human PTGER1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX69**

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

This product is recombinant Human PTGER1 protein in native nanodisc form. The synthetic compound we developed can solubilize the PTGER1 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

PTGER1

Protein Length

Full length

Molecular Weight

41.8kDa

Sequence

Accession # [P34995](#)

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**

PTGER1

Full Name

Prostaglandin E receptor 1

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). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin.

Alternative Names

EP1; prostaglandin E2 receptor EP1 subtype; PGE receptor, EP1 subtype; PGE2 receptor EP1 subtype; prostaglandin E receptor 1 (subtype EP1), 42kD; prostaglandin E receptor 1 (subtype EP1), 42kDa; prostaglandin E receptor 1, subtype EP1; prostanoid EP1 receptor; PTGER1; Prostaglandin E receptor 1

Gene ID

[5731](#)

UniProt ID

[P34995](#)