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Product Information

NativeExtract™ Human PTGER3 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX68**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human PTGER3 protein in native nanodisc form. The synthetic compound we developed can solubilize the PTGER3 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
PTGER3

Protein Length
Full length

Molecular Weight
43.3kDa

Sequence
Accession # P43115

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

PTGER3

Full Name

Prostaglandin E receptor 3

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 may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotropic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

EP3; EP3e; EP3-I; EP3-II; EP3-IV; EP3-VI; PGE2-R; EP3-III; lnc003875; prostaglandin E2 receptor EP3 subtype; PGE receptor, EP3 subtype; PGE2 receptor EP3 subtype; prostaglandin E receptor 3 (subtype EP3); prostaglandin receptor (PGE-2); prostanoid EP3 receptor; PTGER3; Prostaglandin E receptor 3

Gene ID

5733

UniProt ID

P43115

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