

Product Information

NativeExtract™ Human PTGDR2 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX371**

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

This product is recombinant Human PTGDR2 protein in native nanodisc form. The synthetic compound we developed can solubilize the PTGDR2 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

PTGDR2

Protein Length

Full length

Molecular Weight

43.3 kDa

Sequence

Accession # [Q9Y5Y4](#)

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**

PTGDR2

Full Name

Prostaglandin D2 receptor 2

Introduction

This gene encodes a G-protein-coupled receptor that is preferentially expressed in CD4+ effector T helper 2 (Th2) cells. This protein is a prostaglandin D2 receptor that mediates the pro-inflammatory chemotaxis of eosinophils, basophils, and Th2 lymphocytes generated during allergic inflammation. Single nucleotide polymorphisms in the 3' UTR of this gene have been associated with asthma susceptibility.

Alternative Names

DP2; DL1R; CD294; CRTH2; GPR44; G-protein coupled receptor 44; chemoattractant receptor homologous molecule expressed on T helper type 2 cells; chemoattractant receptor-homologous molecule expressed on TH2 cells; putative G-protein coupled receptor 44; PTGDR2; Prostaglandin D2 receptor 2

Gene ID

[11251](#)

UniProt ID

[Q9Y5Y4](#)