

Product Information

MemDX™ Membrane Protein Human PTGDR2 (Prostaglandin D2 receptor 2) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX3526K**

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

This product is a Human PTGDR2 membrane protein expressed *in vitro* E.coli expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

PTGDR2

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MSANATLKPLCPILEQMSRLQSHSNTSIRYIDHAAVLLHGLASLLGLVENGVILFVVGCRMQRQTVVTTWVLHLALSDLLASASLPFFTY

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

PTGDR2; 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; Prostaglandin D2 receptor 2

Gene ID

[11251](#)

UniProt ID

[Q9Y5Y4](#)