

Product Information

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

Cat. No.: **MPX3445K**

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

This product is a Human PTGDR 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

PTGDR

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MKSPFYRCQNTTSVEKGNSAVMGGVLFSTGLLGNLLALGLLARSGLGWCSRRLRPLPSVFYMLVCGLTVTDLLGKCLLSPVVLA

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

PTGDR

Full Name

Prostaglandin D2 receptor

Introduction

This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein is reported to be a receptor for prostaglandin D2, which is a mediator of allergic inflammation and allergic airway inflammation in asthma. Alternative splicing results in multiple transcript variants.

Alternative Names

PTGDR; DP; AS1; DP1; ASRT1; PTGDR1; prostaglandin D2 receptor; PGD2 receptor; Prostaglandin D2 receptor

Gene ID

[5729](#)

UniProt ID

[Q13258](#)