

## 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

MKSPFYRCQNTTSVEKGNSAVMGGVLFSTGLLGNLLALGLLARSGLGWCSRPLRPLPSVFYMLVCGLTVTDLLGKCLLSPVVLA

#### 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](#)