

Product Information

MemDX™ Membrane Protein Human PTGDR (Prostaglandin D2 receptor) Full Length

Cat. No.: **MPC0225K**

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

This product is a 43.2 kDa Human PTGDR membrane protein expressed in Baculovirus/Insect 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

Molecular Weight

43.2 kDa

TMD

7

Sequence

MSANATLKPLCPILEQMSRLQSHSNTSIRYIDHAAVLLHGLASLLGLVEN
GVILFVVGCRMRTQTVTTWVLHLALSDLLASASLPFFTYFLAVGHSWELG
TTFCKLHSSIFFLNMFASGFLLSAISLDRCLQVVRPVWAQNHRTVAAAHK
VCLVLWALAVLNTVPYFVFRDTISRDLGRIMCYYNVLLLNPGPDRDATCN
SRQVALAVSKFLLAFLVPLAIIASSHAAVSLRLQHRGRRRPGRFVRLVAA
VVAAFALCWGPYHVFSLLLEARAHANPGLRPLVWRGLPFVTSLAFFNSVAN
PVLYVLTCPDMLRKLRRSLRTVLESVLVDDSELGGAGSSRRRRTSSTARS
ASPLALCSRPEEPRGPARRLLGWLLGSCAASPQTGPLNRALSSTSS

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

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

Gene ID

[5729](#)

UniProt ID

[Q13258](#)