

Product Information

MemDX™ Membrane Protein Human PTGER4 (Prostaglandin E receptor 4) without tag for Antibody Discovery

Cat. No.: **MP1058X**

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

This product is a 53.1 kDa Human PTGER4 membrane protein expressed in *in vitro* wheat germ 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

PTGER4

Protein Length

Full-length

Molecular Weight

53.1 kDa

TMD

7

Sequence

MSTPGVNSSASLSPDRLNSPVTIPAVMFIFGVVGNLVAIVVLCKSRKEQKETTFTLVCGLAVTDLLGTLLVSPVTIATYMKGQWP

Product Description

Application

Antibody Production

Expression Systems

in vitro wheat germ expression system

Tag

NO

Protein Format

Liposome

Form

Liquid

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

PTGER4

Full Name

Prostaglandin E receptor 4

Introduction

The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses.

Alternative Names

EP4; EP4R; prostaglandin E2 receptor EP4 subtype; PGE receptor, EP4 subtype; PGE2 receptor EP4 subtype; prostaglandin E receptor 4 (subtype EP4); prostanoid EP4 receptor

Gene ID

[5734](#)

UniProt ID

[P35408](#)