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Product Information

MemDX™ Membrane Protein Human PTGER1 (Prostaglandin E receptor 1) for Antibody Discovery

Cat. No.: **MP1053X**
This product is for research use only and is not intended for diagnostic use.

This product is a 68.2 kDa Human PTGER1 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
PTGER1

Protein Length
Full-length

Molecular Weight
68.2 kDa

TMD
7

Sequence
MSPCGPLNLSLAGEATTCAAPWVPNTSAVPPSGASPALPIFSMTLGAVSNLLALALLAQAAGRLRRRRSAATFLLFVASLLATDLAG

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

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Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

Storage

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

Target

Target Protein

PTGER1

Full Name

Prostaglandin E receptor 1

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). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotropic hormone response to bacterial endotoxin.

Alternative Names

EP1; prostaglandin E2 receptor EP1 subtype; PGE receptor, EP1 subtype; PGE2 receptor EP1 subtype; prostaglandin E receptor 1 (subtype EP1), 42kD; prostaglandin E receptor 1 (subtype EP1), 42kDa; prostaglandin E receptor 1, subtype EP1; prostanoid EP1 receptor

Gene ID

5731

UniProt ID

P34995

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