

Product Information

MemDX™ Membrane Protein Human PTGER3 (Prostaglandin E receptor 3) without tag for Antibody Discovery

Cat. No.: **MP1056X**

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

This product is a 42.7 kDa Human PTGER3 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

PTGER3

Protein Length

Full-length

Molecular Weight

42.7 kDa

TMD

7

Sequence

MKETRGYGGDAPFCTRLNHSYTG MWAPERSAEARGNLTRPPGSGEDCGSVSVAFPI TMLLTGFVGNALAMLLVSR SYRRRESKR

Product Description

Application

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

Expression Systems

in vitro wheat germ expression system

Tag

NO

Protein Format

Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

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

PTGER3

Full Name

Prostaglandin E receptor 3

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 may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotrophic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

EP3; EP3e; EP3-I; EP3-II; EP3-IV; EP3-VI; PGE2-R; EP3-III; Inc003875

Gene ID

[5733](#)

UniProt ID

[P43115](#)