

Product Information

MemDX™ Membrane Protein Human PTGER3 (Prostaglandin E receptor 3) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3521K**

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

This product is a Human PTGER3 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

PTGER3

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MKETRGYGGDAPFCTRLNHSYTG MWAPERSAEARGNLTRPPGSGEDCGSVSVAFPI TMLLTGFVGNALAMLLVSR SYRRRESKR

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

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

PTGER3; EP3; EP3e; EP3-I; EP3-II; EP3-IV; EP3-VI; PGE2-R; EP3-III; Inc003875; prostaglandin E2 receptor EP3 subtype; PGE receptor, EP3 subtype; PGE2 receptor EP3 subtype; prostaglandin E receptor 3 (subtype EP3); prostaglandin receptor (PGE-2); prostanoid EP3 receptor; Prostaglandin E receptor 3

Gene ID

[5733](#)

UniProt ID

[P43115](#)