

Product Information

MemDX™ Membrane Protein Human PTGER3 (Prostaglandin E receptor 3) Full Length

Cat. No.: **MPC0229K**

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

This product is a 43.3 kDa Human PTGER3 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

PTGER3

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

43.3 kDa

TMD

7

Sequence

MKETRGYGGDAPFCTRLNHSYTG MWAPERSAEARGNLTRPPGSGEDCGSV
SVAFPITMLLTGFVGNALAMLLVSRSYRRRESKRKKSFLLCIGWLALTDL
VGQLLTTPVIVVYLSKQRWEHIDPSGRLCTFFGLTMTVFGLSSLFIASA
MAVERALAIRAPHWYASHMKTRATRAVLLGVWLAVLAFALLPVLGVGQYT
VQWPGTWCFISTGRGGNGTSSSHNWGNLFFASAFALGLLALT VTFSCNL
ATIKALVSRCAKATASQSSAQWGRITTETAIQLMGIMCVLSVCWSPLLI
MMLKMIFNQTSVEHCKTHTEKQKECNFFLIAVRLASLNQILD PWVYLLLR
KILLRKFCQIRYHTNNYASSSTSLPCQCSSTLMWSDHLER

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal and 10xHis tag at C-terminal

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**

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; 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; PTGER3; Prostaglandin E receptor 3

Gene ID

[5733](#)

UniProt ID

[P43115](#)