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Product Information

MemDX™ Membrane Protein Human PTGER4 (Prostaglandin E receptor 4) Full Length

Cat. No.: **MPC0230K**
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 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
PTGER4

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
53.1 kDa

TMD
7

Sequence
MSTPGVNSSASLSPDRLNSPVTIPAVMFIFGVVGNLVAIVVLCKSRKEQK
ETTFYTLVCGLAVTDLLGTLLVSPVTIATYMKGQWPGGQPLCEYSTFILL
FFSLSGLSIICAMSVERYLAINHAYFYSHYVDKRLAGLTLFAVYASNVLF
CALPNMGLGSSRLQYPDTWCFIDWTTNVTAHAAYSYMYAGFSSFLILATV
LCNVLVCGALLRMHRQFMRRTSLGTEQHHAAAAASVASRGHPAASPALPR
LSDFRRRRSFRRIAGAEIQMVILLIATSLVVLICSIPLVVRVFVNQLYQP
SLEREVSKNPDLQAIRIASVNPILDPWIYILLRKTVLSKAIEKIKCLFCR
IGGSRRERSGQHCSDSQRTSSAMSGHSRSFISRELKEISSTSQTLLPDLS
LPDLSENGLGGRNLLPGVPGMGLAQEDTTSLRTLRISETSDSSQGQDSES
VLLVDEAGGSGRAGPAPKGSSLQVTFPSETLNLSEKCI

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag

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Flag tag at N-terminal and 8xHis 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

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; PTGER4; Prostaglandin E receptor 4

Gene ID

5734

UniProt ID

P35408

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