

Product Information

MemDX™ Membrane Protein Human LPAR2 (Lysophosphatidic acid receptor 2) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX3422K**

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

This product is a Human LPAR2 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

LPAR2

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MVIMGQCYYNETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIASNRRFHQPIYYLLGNLAAADLFAGVAYLFLM

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

LPAR2

Full Name

Lysophosphatidic acid receptor 2

Introduction

This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca²⁺ mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined.

Alternative Names

LPAR2; EDG4; LPA2; EDG-4; LPA-2; G protein-coupled receptor; LPA receptor 2; LPA receptor EDG4; endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4; lysophosphatidic acid receptor EDG4; lysophosphatidic acid receptor Edg-4; Lysophosphatidic acid receptor 2

Gene ID

[9170](#)

UniProt ID

[Q9HBW0](#)