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Product Information

MemDX™ Membrane Protein Human LPAR2 (Lysophosphatidic acid receptor 2) for Antibody Discovery

Cat. No.: **MP0313X**
This product is for research use only and is not intended for diagnostic use.

This product is a 64.35 kDa Human LPAR2 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
LPAR2

Protein Length
Full-length

Molecular Weight
64.35 kDa

TMD
7

Sequence
MVIMGQCYYNETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIASNRRFHQPIYYLLGNLAAADLFAGVAYLFLM

Product Description

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

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

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

EDG-4; EDG4; FLJ93869; LPA2; G protein-coupled receptor; LPA receptor EDG4; endothelial differentiation; lysophosphatidic acid G-protein-coupled receptor, 4; lysophosphatidic acid receptor EDG4

Gene ID

9170

UniProt ID

Q9HBW0

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