

Product Information

MemDX™ Membrane Protein Human LPAR1 (Lysophosphatidic acid receptor 1) Full Length

Cat. No.: **MPC0280K**

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

This product is a 41.1 kDa Human LPAR1 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

LPAR1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

41.1 kDa

TMD

7

Sequence

MAAISTSIPVISQPQFTAMNEPQCFYNESIAFFYNRSGKHLATEWNTVSK
LVMGLGITVCIFIMLANLLVMVAIYVNRFRHFPIYYLMANLAAADFFAGL
AYFYLMFNTGPNTRRLTVSTWLLRQGLIDTSLTASVANLLAIAIERHITV
FRMQLHTRMSNRRVVVVIVVIWTMAIVMGAIPSVGWNCICDIENCSNMAP
LYSDSYLVFWAIFNLVTFVVMVLYAHIFGYVRQRTMRMSRHSSGPRRNR
DTMMSLLKTVVIVLGAFIICWTPGLVLLLDVCCPQCDVLAYEKFFLLLA
EFNSAMNPIIYSYRDKEMSATFRQILCCQRSENPTGPTEGSDRSASSLNH
TILAGVHSNDHSV

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag and 10xHis tag at N-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**

LPAR1

Full Name

Lysophosphatidic acid receptor 1

Introduction

The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion. Many transcript variants encoding a few different isoforms have been identified for this gene.

Alternative Names

EDG2; LPA1; VZG1; edg-2; vzg-1; Gpcr26; Mrec1.3; rec.1.3; LPA receptor 1; LPA-1; endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2; lysophosphatidic acid receptor Edg-2; ventricular zone gene 1; LPAR1; Lysophosphatidic acid receptor 1

Gene ID

[1902](#)

UniProt ID

[Q92633](#)