

# Product Information

## Magic™ Membrane Protein Human LPAR1 (Lysophosphatidic acid receptor 1) for Antibody Discovery

### {AlternativeNames}

Cat. No.: **MP0647X**

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

This product is a 67.5 kDa Human LPAR1 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

LPAR1

#### Protein Length

Full-length

#### Molecular Weight

67.5 kDa

#### TMD

7

#### Sequence

MAAISTSIPVISQPQFTAMNEPQCFYNESIAFFYNRSGKHLATEWNTVSKLVMGLGITVCIFIMLANLLVM  
VAIYVNRFRHFPIYYLMANLAAADFFAGLAYFYLMFNTGPNTRRLTVSTWLLRQGLIDTSLTASVANLLA  
IAIERHITVFRMQLHTRMSNRRVVVVIVVIWTMAIVMGAIPSVGWNCICDIENCSNMAPLYSDSYLVFWA  
IFNLVTFVVMVLYAHIFGYVRQRTMRMSRHSSGPRRNRDTMMSLLKTVVIVLGAFIICWTPGLVLLLLD  
VCCPQCDVLAYEKFFLLLAEFNSAMNPPIYSYRDKEMSATFRQILCCQRSENPTGPTEGSDRSASSLNHT  
ILAGVHSNDHSV

### 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**

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; GPR26; edg-2; vzg-1; Gpcr26; Mrec1.3; rec.1.3

**Gene ID**

[1902](#)

**UniProt ID**

[Q92633](#)