

Recombinant Full Length Human LPAR1 Protein, GST-tagged

Cat. No. LPAR1-660HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human LPAR1(1 a.a. - 364 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	364 amino acids
Description	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. Two transcript variants encoding the same protein have been identified for this gene
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	67.5 kDa
AA Sequence	MAAISTSIPV ISQPQFTAMN EPQCFYNESI AFFYNRSGKH LATEWNTVSK LVMGLGITVC IFIMLANLLV MVAIYVNR RF HFPIYYLMAN LAAADFFAGL AYFYLMFNTG PNTRRLTVST WLLRQGLIDT SLTASVANLL AIAIERHITV FRMQLHTRMS NRRVVVVIVV IWTMAIVMGA IPSVGWNCIC DIENCSNMAP

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LYSDSYLVFW AIFNLVTFV MVVLYAHIFG YVRQRTMRMS RHSSGPRRNR
DTMMSLLKTV VIVLGAFIIC WTPGLVLLLL DVCCPQCDVL AYEKFFLLLA
EFNSAMNP II YSYRDKEMSA TFRQILCCQR SENPTGPTEG SDRSASSLNH
TILAGVHSND HSVV

Applications

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

[LPAR1 lysophosphatidic acid receptor 1 \[Homo sapiens \]](#)

Official Symbol

[LPAR1](#)

Synonyms

LPAR1; lysophosphatidic acid receptor 1; EDG2, endothelial differentiation,
lysophosphatidic acid G protein coupled receptor, 2; edg 2; Gpcr26; GPR26; LPA1;
Mrec1.3; rec.1.3; vzg 1; LPA-1; LPA receptor 1; ventricular zone gene 1;
lysophosphatidic acid receptor Edg-2; endothelial differentiation, lysophosphatidic
acid G-protein-coupled receptor, 2; EDG2; VZG1; edg-2; vzg-1

Gene ID

[1902](#)

mRNA Refseq

[NM_001401](#)

Protein Refseq

[NP_001392](#)

MIM

[602282](#)

UniProt ID

[Q92633](#)

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