

Recombinant Human LPAR1 293 Cell Lysate

Cat. No. LPAR1-4675HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for lysophosphatidic acid receptor 1 (LPAR1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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](#)

Chromosome Location 9q

Pathway Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Gap junction,

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organism-specific biosystem; Gap junction, conserved biosystem;

Function

G-protein alpha-subunit binding; G-protein coupled receptor activity; PDZ domain binding; lysophosphatidic acid receptor activity; phospholipid binding; protein binding; receptor activity; signal transducer activity;

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