

Recombinant Human LPAR1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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 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,

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organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Gap junction, 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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