Recombinant Human LPAR2 Protein, GST-tagged

Cat. No. LPAR2-4021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EDG4 full-length ORF (AAH25695, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca2+ mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq, Jul 2008]
Molecular Mass	64.35 kDa
AA Sequence	MVIMGQCYYNETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIA SNRRFHQPIYYLLGNLAAADLFAGVAYLFLMFHTGPRTARLSLEGWFLRQGLLDTSL TASVATLLAIAVERHRSVMAVQLHSRLPRGRVVMLIVGVWVAALGLGLLPAHSWHCL CALDRCSRMAPLLSRSYLAVWALSSLLVFLLMVAVYTRIFSYVRRRVQRMAEHVSC HPRYRETTLSLVKTVVIILGAFVVCWTPGQVVLLLDGLGCESCNVLAVEKYFLLLAEA NSLVNAAVYSCRDAEMRRTFRRLLCCACLRQSTRESVHYTSSAQGGASTRIMLPEN GHPRMDSTL
Applications	Enzyme-linked Immunoabsorbent Assay

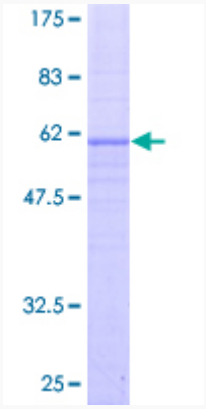
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45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	LPAR2 lysophosphatidic acid receptor 2 [Homo sapiens]
Official Symbol	LPAR2
Synonyms	LPAR2; lysophosphatidic acid receptor 2; EDG4, endothelial differentiation, lysophosphatidic acid G protein coupled receptor, 4; EDG 4; LPA2; LPA receptor 2; LPA receptor EDG4; G protein-coupled receptor; lysophosphatidic acid receptor EDG4; lysophosphatidic acid receptor Edg-4; endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4; EDG4; EDG-4; LPA-2; FLJ93869;
Gene ID	9170
mRNA Refseq	NM_004720
Protein Refseq	NP_004711
MIM	605110

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UniProt ID	Q9HBW0
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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