

Recombinant Full Length Human LPAR2 Protein, GST-tagged

Cat. No. LPAR2-4692HF **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	In Vitro Cell Free System
ProteinLength	351 amino acids
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 Ca ²⁺ 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	MVIMGQCYINETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIA SNRRFHQPIYYLLGNLAAADLFAGVAYLFLMFHTGPRTARLSLEGWFLRQGLLDTSL TASVATLLAIAVERHRSVMAVQLHSRLPRGRVVMLIVGVWVAALGLGLLPAHSWHCL CALDRCSRMAPLLSRSYLAWWALSSLLVFLLMVAVYTRIFS YVRRRVQRMAEHVSC HPRYRETTLSLVKTVVILGAFVVCWTPGQVVLLEDGLGCESC NVLAVEKYFLLLAEA NSLVNAAVYSCRDAEMRRTFRRLCCACLRQSTRESVHYTSSAQGGASTRIMLPEN GHPRMDSTL

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Applications	Enzyme-linked Immunoabsorbent Assay 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

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