Recombinant Full Length Human LPAR2 Protein

Cat. No. LPAR2-5968HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LPAR2 full-length ORF (NP_004711.2) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	400 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 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
Form	Liquid
Molecular Mass	39.1 kDa
AA Sequence	MVIMGQCYYNETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIA SNRRFHQPIYYLLGNLAAADLFAGVAYLFLMFHTGPRTARLSLEGWFLRQGLLDTSL TASVATLLAIAVERHRSVMAVQLHSRLPRGRVVMLIVGVWVAALGLGLLPAHSWHCL CALDRCSRMAPLLSRSYLAVWALSSLLVFLLMVAVYTRIFFYVRRRVQRMAEHVSC HPRYRETTLSLVKTVVIILGAFVVCWTPGQVVLLLDGLGCESCNVLAVEKYFLLLAEA NSLVNAAVYSCRDAEMRRTFRRLLCCACLRQSTRESVHYTSSAQGGASTRIMLPEN

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	GHPLMDSTL
Applications	Antibody Production Functional Study Compound Screening
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

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MIM	605110
UniProt ID	Q9HBW0

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