

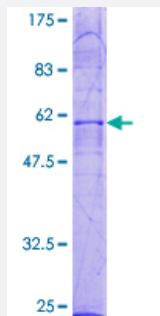
## Full-Length

# EDG4 (Human) Recombinant Protein (P02)

Catalog # H00009170-P02

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human EDG4 full-length ORF ( NP\_004711.2, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MVIMGQCYYNETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIASNRRFHQPIY  
YLLGNLAAADLFAGVAYFLMFHTGPRTARLSLEGWFLRQGLDTSLTASVATLLAIAVERHRSVM  
AVQLHSRLPRGRVVMLIVGVVVAALGLGLLPAHSWHCLCALDRCSRMAPLLSRSYLAVWALSSL  
LVFLLMVAVYTRIFFYVRRRVQRMAEHVSCHPRYRETTLSLVKTVVILGAFVVCWTPGQVLLLDG  
LGCESCNVLAVEKYFLLAEANSLVNAAVYSCRDAEMRRTFRLLCCACLRQSTRESVHYTSSA  
QGGASTRIMLPENGHPLMDSTL

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

65.5

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — LPAR2

Entrez GeneID [9170](#)

GeneBank Accession# [NM\\_004720.4](#)

Protein Accession# [NP\\_004711.2](#)

Gene Name LPAR2

Gene Alias EDG-4, EDG4, FLJ93869, LPA2

Gene Description lysophosphatidic acid receptor 2

Omim ID [605110](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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<sup>2+</sup> 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]

**Other Designations** G protein-coupled receptor|LPA receptor EDG4|endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4|lysophosphatidic acid receptor EDG4

## Pathway

- [Neuroactive ligand-receptor interaction](#)