

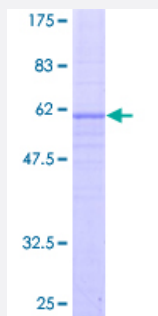
Full-Length

EDG4 (Human) Recombinant Protein (P01)

Catalog # H00009170-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EDG4 full-length ORF (AAH25695, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVIMGQCYNETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIASNRRFHQPIY
YLLGNLAAADLFAGVAYFLMFHTGPRTARLSLEGWFLRQGLDTSLTASVATLLAIAVERHRSVM
AVQLHSRLPRGRVVMLIVGVVVAALGLGLLPAHSWHCLCALDRCRMAPLLSRSYLAVWALSSL
LVFLLMVAVYTRIFSYVRRRVQRMAEHVSCHPRYRETTLSLVKTVIILGAFVVCWTPGQVLLLDG
LGCESC�VLAVEKYFLLAEANSLVNAAVYSCRDAEMRRTFRLLCCACLRQSTRESVHYTSSA
QGGASTRIMLPENGHPRMDSTL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.35

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#	BC025695
Protein Accession#	AAH25695
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 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]
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](#)