

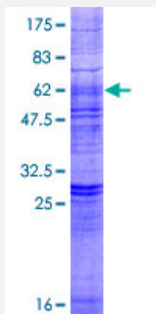
Full-Length

EDG7 (Human) Recombinant Protein (P01)

Catalog # H00023566-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EDG7 full-length ORF (NP_036284.1, 1 a.a. - 353 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNECHYDKHMDFFYNRSNTDVTDDWTGKLVMLCVGTFFCLFIFFSNSLVIAAVIKNRKFHFPFYY
LLANLAAADFFAGIAYFLMFNTGPVSKLTVNRFWRQGLLDSSLTASLTNLLVIAVERHMSIMRM
RVHSNLTKKRVTLILLVWAIAMGAVPTLGWNCLCNISACSSLAPIYSRSLVFWTVSNLMAFLIM
VVVYLRIVYVKRKTNLSPTSGSISRRTPMKLMKTMVTLGAFVVCWTPGLVVLDDGLNCRQ
CGVQHVKRWFLLLALLNSVVPNIISYKDEDMYGTMMKMICCFSENPERPSRIPSTVLSRSDTG
SQIEDSISQGAVCNKSTS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.5

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 — LPAR3

Entrez GeneID [23566](#)

GeneBank Accession# [NM_012152.1](#)

Protein Accession# [NP_036284.1](#)

Gene Name LPAR3

Gene Alias EDG7, Edg-7, FLJ98231, GPCR, HOFNH30, LP-A3, LPA3, RP4-678I3

Gene Description lysophosphatidic acid receptor 3

Omim ID [605106](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the G protein-coupled receptor family, as well as the EDG family of proteins. This protein functions as a cellular receptor for lysophosphatidic acid and mediates lysophosphatidic acid-evoked calcium mobilization. This receptor couples predominantly to G(q/11) alpha proteins. [provided by RefSeq]

Other Designations LPA receptor EDG7|OTTHUMP00000011573|calcium-mobilizing lysophosphatidic acid receptor LP-A3|endothelial cell differentiation gene 7|endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 7

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)