

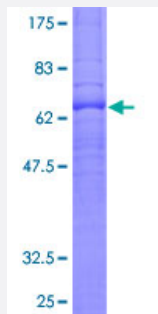
Full-Length

EDG1 (Human) Recombinant Protein (P01)

Catalog # H00001901-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EDG1 full-length ORF (NP_001391.2, 1 a.a. - 382 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGPTSVPLVKAHRSSVSDYVNYDIVRHNYTGKLNISADKENSIKLTSVVFILICCFIILENIFVLLTWK
TKKFHRPMYYFIGNLALSDLLAGVAYTANLLLSGATTYKLTPAQWFLREGSMFVALSASVFSLLAIAI
ERYTMLKMKLHNGSNNFRLFLLISACWVISLILGGLPIMGWNCISALSSCSTVLPYHKHYLFCTTV
FTLLLSMILYCRIYSLVRTRSRLTFRKNISKASRSSEKSLALLKTVIIVLSVFIACWAPLFILLLLDVG
CKVKTCDILFRAEYFLVLAVLNSGTNPPIYTLTNKEMRRAFIRIMSCCKCPSGDSAGKFKRPIAGME
FSRSKSDNSSHPQKDEGDNPETIMSSGNVNSSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.2

Interspecies Antigen Sequence

Mouse (94); Rat (94)

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 — S1PR1

Entrez GeneID[1901](#)**GeneBank Accession#**[NM_001400.3](#)**Protein Accession#**[NP_001391.2](#)**Gene Name**

S1PR1

Gene Alias

CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, FLJ58121, S1P1

Gene Description

sphingosine-1-phosphate receptor 1

Omim ID[601974](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. [provided by RefSeq]

Other Designations

G protein-coupled sphingolipid receptor|OTTHUMP00000012525|endothelial differentiation, sphingolipid G-protein-coupled receptor, 1|sphingosine 1-phosphate receptor EDG1

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)
- [Stroke](#)