

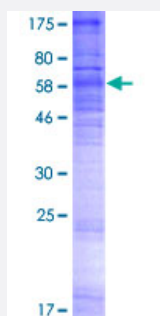
Full-Length

EDG3 (Human) Recombinant Protein (P01)

Catalog # H00001903-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EDG3 full-length ORF (NP_005217.2, 1 a.a. - 378 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MATALPPRLQPVRGNETLREHYQYVGKLAGRLKEASEGSTLTTVLFLVICSFVLENLMVLIAMKN
NKFHNRMYYFFIGNLALCDLLAGIAYKVNILMSGKKTFSLSPTVWFLREGSMFVALGASTCSLLAIAE
RHLTMIKMRPYDANKRHRVFLIGMCWLIATLALPILGWNCLEHNPDCSTILPLYSKKYAFCSIFT
AILVTIVILYARIYFLVKSSSRKVANHNSERSMALLRTVVIVSVFIACWSPLFILFDVACRVQACPI
LFAQWFMFLAVLNSAMNPVYTLASKEMRRAFFRLVCNCLVRGRGARASPIQPALDPSRSKSSS
SNNSSHSPKVKEDLPHTAPSSCIMDKNAALQNGIFCN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.7

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 — S1PR3

Entrez GeneID	1903
GeneBank Accession#	NM_005226.2
Protein Accession#	NP_005217.2
Gene Name	S1PR3
Gene Alias	EDG-3, EDG3, FLJ37523, FLJ93220, LPB3, MGC71696, S1P3
Gene Description	sphingosine-1-phosphate receptor 3
Omim ID	601965
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function. [provided by RefSeq]
Other Designations	G protein-coupled receptor, endothelial differentiation gene-3[OTTHUMP00000021612 S1P receptor EDG3 endothelial differentiation, sphingolipid G-protein-coupled receptor, 3 sphingosine 1-phosphate receptor 3

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)