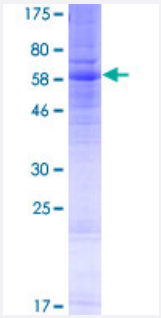
Full-Length

EDG8 (Human) Recombinant Protein (P01)

Catalog # H00053637-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EDG8 full-length ORF (NP_110387.1, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MESGLLRPAPVSEVIVLHYNYTGKLRGARYQPGAGLRADAVVCLAVCAFIVLENLAVLLVLGRHPR FHAPMFLLLGSLTLSDLLAGAAYAANILLSGPLTLKLSPALWFAREGGVFVALTASVLSLLAIALER SLTMARRGPAPVSSRGRTLAMAAAAWGVSLLLGLLPALGWNCLGRLDACSTVLPLYAKAYVLFC VLAFVGILAAICALYARIYCQVRANARRLPARPGTAGTTSTRARRKPRSLALLRTLSVVLLAFVACW GPLFLLLLLDVACPARTCPVLLQADPFLGLAMANSLLNPIIYTLTNRDLRHALLRLVCCGRHSCGR DPSGSQQSASAAEASGGLRRCLPPGLDGSFSGSERSSPQRDGLDTSGSTGSPGAPTAARTLVS EPAAD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	68.2
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 — S1PR5

Entrez GeneID	53637
GeneBank Accession#	NM_030760.3
Protein Accession#	NP_110387.1
Gene Name	S1PR5
Gene Alias	EDG8, Edg-8, S1P5, SPPR-1, SPPR-2
Gene Description	sphingosine-1-phosphate receptor 5
Omim ID	605146
Gene Ontology	Hyperlink
Gene Summary	The lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors.[supplied by OMIM
Other Designations	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8|sphingosine 1-phosphate receptor 5|sphingosine 1-phosphate receptor Edg-8

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Genetic Predisposition to Disease
- Obesity