Recombinant Full Length Human S1PR5 Protein, GST-tagged

Cat. No. S1PR5-4743HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EDG8 full-length ORF (NP_110387.1, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	398 amino acids
Description	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, Mar 2008]
Molecular Mass	68.2 kDa
AA Sequence	MESGLLRPAPVSEVIVLHYNYTGKLRGARYQPGAGLRADAVVCLAVCAFIVLENLAV LLVLGRHPRFHAPMFLLLGSLTLSDLLAGAAYAANILLSGPLTLKLSPALWFAREGGV FVALTASVLSLLAIALERSLTMARRGPAPVSSRGRTLAMAAAAWGVSLLLGLLPALG WNCLGRLDACSTVLPLYAKAYVLFCVLAFVGILAAICALYARIYCQVRANARRLPARP GTAGTTSTRARRKPRSLALLRTLSVVLLAFVACWGPLFLLLLDVACPARTCPVLLQA DPFLGLAMANSLLNPIIYTLTNRDLRHALLRLVCCGRHSCGRDPSGSQQSASAAEAS

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	GGLRRCLPPGLDGSFSGSERSSPQRDGLDTSGSTGSPGAPTAARTLVSEPAAD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	S1PR5 sphingosine-1-phosphate receptor 5 [Homo sapiens]
Official Symbol	S1PR5
Synonyms	S1PR5; sphingosine-1-phosphate receptor 5; EDG8, endothelial differentiation, sphingolipid G protein coupled receptor, 8; sphingosine 1-phosphate receptor 5; Edg 8; S1P receptor 5; S1P receptor Edg-8; sphingosine 1-phosphate receptor EDG8; sphingosine 1-phosphate receptor Edg-8; endothelial differentiation G-protein-coupled receptor 8; endothelial differentiation, sphingolipid G-protein-coupled receptor, 8; EDG8; S1P5; Edg-8; SPPR-1; SPPR-2;
Gene ID	53637
mRNA Refseq	NM_001166215
Protein Refseq	NP_001159687

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MIM	605146
UniProt ID	Q9H228

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