

Recombinant Human S1PR1 Protein, GST-tagged

Cat. No. S1PR1-4038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EDG1 full-length ORF (NP_001391.2, 1 a.a. - 382 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Molecular Mass	69.2 kDa
AA Sequence	MGPTSVPLVKAHRSSVSDYVNYDIIVRHNYTGKLNISADKENSIKLTSVVFILICCFIIL ENIFVLLTIWKTKKFHRPMYYFIGNLALSDLLAGVAYTANLLL SGATTYKLTPAQWFLR EGSMFVALSASVFSLLAIAIERYITMLKMKLHNGSNNFRLFLLISACWVISLILGGLPIM GWNCISALSSCSTVLP LYHKHYILFCTTVFTLLLLSIVILYCRIYSLVRTRSRLTFRKNI SKASRSSEKSLALLKTVIIVLSVFIACWAPLFILLLLDVGCKVKTCDILFRAEYFLVLAVL NSGTNP IIYTLTNKEMRRAFIRIMSCCKCPSGDSAGKFKRPIIAGMEFSRSKSDNSSH PQKDEGDNPETIMSSGNVNSSS
Applications	Enzyme-linked Immunoabsorbent Assay

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	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	S1PR1 sphingosine-1-phosphate receptor 1 [Homo sapiens]
Official Symbol	S1PR1
Synonyms	S1PR1; sphingosine-1-phosphate receptor 1; EDG1, endothelial differentiation, sphingolipid G protein coupled receptor, 1; sphingosine 1-phosphate receptor 1; CD363; D1S3362; edg 1; S1P receptor 1; S1P receptor Edg-1; sphingosine 1-phosphate receptor EDG1; sphingosine 1-phosphate receptor Edg-1; endothelial differentiation G-protein coupled receptor 1; endothelial differentiation, sphingolipid G-protein-coupled receptor, 1; EDG1; S1P1; ECGF1; EDG-1; CHEDG1; FLJ58121;
Gene ID	1901
mRNA Refseq	NM_001400
Protein Refseq	NP_001391
MIM	601974

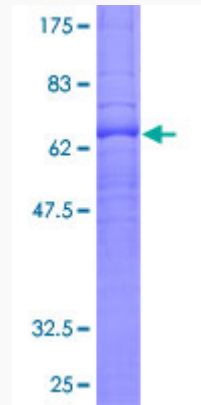
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UniProt ID

P21453

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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