

Recombinant Human S1PR1 cell lysate

Cat. No. S1PR1-530HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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-

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	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
UniProt ID	P21453
Chromosome Location	1p21
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Other, organism-specific biosystem; Lysosphingolipid and LPA receptors, organism-specific biosystem;
Function	G-protein coupled receptor activity; receptor activity; signal transducer activity; sphingolipid binding; sphingosine-1-phosphate receptor activity;