Recombinant Human S1PR5 293 Cell Lysate

Cat. No. S1PR5-2082HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for sphingosine-1-phosphate receptor 5 (S1PR5), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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
MIM	605146
UniProt ID	Q9H228
Chromosome Location	19p13.2
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Lysosphingolipid and LPA receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
Function	G-protein coupled receptor activity; receptor activity; signal transducer activity; sphingosine-1-phosphate receptor activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA