Recombinant Human S1PR3 293 Cell Lysate

Cat. No. S1PR3-2084HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for sphingosine-1-phosphate receptor 3 (S1PR3) 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.

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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	S1PR3 sphingosine-1-phosphate receptor 3 [Homo sapiens]
Official Symbol	S1PR3
Synonyms	S1PR3; sphingosine-1-phosphate receptor 3; EDG3, endothelial differentiation, sphingolipid G protein coupled receptor, 3; sphingosine 1-phosphate receptor 3; EDG 3; sphingosine 1 phosphate receptor 3; S1P receptor 3; S1P receptor EDG3; S1P receptor Edg-3; sphingosine 1-phosphate receptor Edg-3; endothelial differentiation G-protein coupled receptor 3; G protein-coupled receptor, endothelial differentiation gene-3; endothelial differentiation, sphingolipid G-protein-coupled receptor, 3; EDG3; LPB3; S1P3; EDG-3; FLJ37523; FLJ93220; MGC71696;
Gene ID	1903
mRNA Refseq	NM_005226
Protein Refseq	NP_005217
MIM	601965
UniProt ID	Q99500
Chromosome Location	9q22.1-q22.2

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Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) 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; lipid binding; receptor activity; signal transducer activity; sphingosine-1-phosphate receptor activity;

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