

## Recombinant Human S1PR4 293 Cell Lysate

**Cat. No.** S1PR4-2083HCL    **Lot. No.** (See product label)

### SPECIFICATION

|                            |   |
|----------------------------|---|
| <b>Species</b>             | Human   |
| <b>Source</b>              | HEK293  |
| <b>Description</b>         | Antigen standard for sphingosine-1-phosphate receptor 4 (S1PR4) 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.   |
| <b>Components</b>          | 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). |
| <b>Size</b>                | 0.1 mg  |
| <b>Storage Instruction</b> | 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.   |
| <b>Applications</b>        | 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   |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** S1PR4 sphingosine-1-phosphate receptor 4 [ Homo sapiens ]

**Official Symbol** S1PR4

**Synonyms** S1PR4; sphingosine-1-phosphate receptor 4; EDG6, endothelial differentiation, G protein coupled receptor 6 , endothelial differentiation, lysophosphatidic acid G protein coupled receptor, 6; sphingosine 1-phosphate receptor 4; S1P receptor 4; S1P receptor Edg-6; sphingosine 1-phosphate receptor Edg-6; endothelial differentiation G-protein coupled receptor 6; endothelial differentiation, G protein coupled receptor 6; endothelial differentiation, G-protein-coupled receptor 6; endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 6; EDG6; LPC1; S1P4; SLP4;

**Gene ID** 8698

**mRNA Refseq** NM\_003775

**Protein Refseq** NP\_003766

**MIM** 603751

**UniProt ID** O95977

**Chromosome Location** 19p13.3

**Pathway** Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i)

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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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