Recombinant Mouse S1pr1 Protein, His-tagged

Cat. No. S1pr1-2041M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse S1pr1 Protein (Tyr311-Ser382) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Tyr311-Ser382
Description	This gene encodes a G-protein-coupled receptor bound by the lysophospholipid, sphingosine 1-phosphate. The gene product functions in endothelial cells and is involved in vascular and heart development. This receptor is highly expressed in T and B lymphocytes, and it plays a role in T cell and B cell export from peripheral lymphoid organs. This protein is bound and downregulated by FTY720, an exogenous immunosuppressant drug studied in mouse disease models for multiple sclerosis in humans.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.6kD Accurate Molecular Mass: 16 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	S1pr1 sphingosine-1-phosphate receptor 1 [Mus musculus (house mouse)]
Official Symbol	S1pr1
Synonyms	S1PR1; sphingosine-1-phosphate receptor 1; sphingosine 1-phosphate receptor 1; S1P receptor 1; S1P receptor Edg-1; lysophospholipid receptor B1; sphingosine 1-phosphate receptor Edg-1; endothelial differentiation G-protein coupled receptor 1; endothelial differentiation sphingolipid G-protein-coupled receptor 1; S1p; Edg1; Lpb1; S1p1; AI849002;
Gene ID	13609
mRNA Refseq	NM_007901
Protein Refseq	NP_031927
UniProt ID	O08530

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