

Recombinant Mouse Scp2 Protein, His&GST-tagged

Cat. No. Scp2-2045M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Scp2 Protein (Phe414-Leu547) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Phe414-Leu547
Description	Predicted to enable several functions, including C-acyltransferase activity; cholesterol binding activity; and lipid transfer activity. Involved in regulation of phospholipid biosynthetic process. Acts upstream of or within peroxisome organization. Located in endoplasmic reticulum; mitochondrion; and peroxisome. Is expressed in several structures, including central nervous system; hair follicle; intestine; liver; and retina layer. Orthologous to human SCP2 (sterol carrier protein 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.4 kDa Accurate Molecular Mass: 44 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	Scp2 sterol carrier protein 2, liver [<i>Mus musculus</i> (house mouse)]
Official Symbol	Scp2
Synonyms	SCP2; sterol carrier protein 2, liver; non-specific lipid-transfer protein; SCP-chi; sterol carrier protein X; propanoyl-CoA C-acyltransferase; nonspecific lipid transfer protein; SCPX; SCP-2; SCP-X; C76618; C79031; NSL-TP; ns-LTP; AA409774; AA409893;
Gene ID	20280
mRNA Refseq	NM_011327
Protein Refseq	NP_035457
UniProt ID	P32020

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