

SCP2 抗原（重组蛋白）

中文名称： SCP2 抗原（重组蛋白）

英文名称： SCP2 Antigen (Recombinant Protein)

别名： sterol carrier protein 2; NLTP; SCPX; SCP-2; SCP-X; NSL-TP; SCP-CHI

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 405-547 amino acids of human SCP2

技术规格

Full name:	sterol carrier protein 2
Synonyms:	NLTP; SCPX; SCP-2; SCP-X; NSL-TP; SCP-CHI
Swissprot:	P22307
Gene Accession:	BC005911
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes two proteins: sterol carrier protein X (SCPx) and sterol carrier protein 2 (SCP2), as a result of transcription initiation from 2 independently regulated promoters. The transcript initiated from the proximal promoter encodes the longer SCPx protein, and the transcript initiated from the distal promoter encodes the shorter SCP2 protein, with the 2 proteins sharing a common C-terminus. Evidence suggests that the SCPx protein is a peroxisome-associated thiolase that is involved in the oxidation of branched chain fatty acids, while the SCP2 protein is thought to be an intracellular lipid transfer protein. This gene is highly expressed in organs involved in lipid

metabolism, and may play a role in Zellweger syndrome, in which cells are deficient in peroxisomes and have impaired bile acid synthesis. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms.