

Recombinant Human SCP2

Catalog No: #GP11992



Package Size: #GP11992-1 100ug

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Description

Product Name	Recombinant Human SCP2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 405-547 amino acids of human SCP2
Target Name	sterol carrier protein 2
Other Names	NLTP; SCPX; SCP-2; SCP-X; NSL-TP; SCP-CHI
Accession No.	Swissprot:P22307Gene Accession:BC005911
Uniprot	P22307
GeneID	6342;
Storage	-20~-80°C, pH 7.6 PBS

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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