

Recombinant Full Length Human SCP2 Protein

Cat. No. SCP2-459HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Sterol carrier protein 2, isoform 2 with N-terminal proprietary tag. Predicted MW 41.84 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	143 amino acids
Description	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.
Form	Liquid
Molecular Mass	41.840kDa inclusive of tags

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AA Sequence	MGFPEAASSFRTHQIEAVPTSSASDGFKANLVFKEIEKKL EEEGEQFVKKIGGIFAFK VKDGPGGKEATWVVDVKNGKGS VLPNSDKKADCTITMADSDFLALMTGKMNPQS AFFQGKLG ITGNMGLAMKLQNLQLQPGNAKL
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	SCP2 sterol carrier protein 2 [Homo sapiens]
Official Symbol	SCP2
Synonyms	SCP2; sterol carrier protein 2; non-specific lipid-transfer protein
Gene ID	6342
mRNA Refseq	NM_001007098
Protein Refseq	NP_001007099
MIM	184755
UniProt ID	P22307

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