

Recombinant Human SCP2 Protein, Myc/DDK-tagged

Cat. No. SCP2-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human sterol carrier protein 2 (SCP2), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
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.
Molecular Mass	58.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	SCP2 sterol carrier protein 2 [Homo sapiens (human)]
Official Symbol	SCP2
Synonyms	SCP2; sterol carrier protein 2; NLTP; SCPX; SCP-2; SCP-X; NSL-TP; SCP-CHI; non-specific lipid-transfer protein; epididymis secretory sperm binding protein; propanoyl-CoA C-acyltransferase; sterol carrier protein X; EC 2.3.1.176
Gene ID	6342
mRNA Refseq	NM_002979
Protein Refseq	NP_002970
MIM	184755
UniProt ID	P22307

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