

Recombinant Human SCP2 Protein, Myc/DDK-tagged

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

SPECIFICATION

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| 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 | <p>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.</p> |
| 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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