

SCP2 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21053c**Specification**

SCP2 Blocking Peptide (C-term) - Product Information

Primary Accession [P22307](#)
Other Accession [O62742](#), [P32020](#), [P07857](#)

SCP2 Blocking Peptide (C-term) - Additional Information

Gene ID 6342

Other Names

Non-specific lipid-transfer protein, NSL-TP, Propanoyl-CoA C-acyltransferase, SCP-chi, SCPX, Sterol carrier protein 2, SCP-2, Sterol carrier protein X, SCP-X, SCP2

Target/Specificity

The synthetic peptide sequence is selected from aa 481-495 of HUMAN SCP2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SCP2 Blocking Peptide (C-term) - Protein Information

Name SCP2 ([HGNC:10606](#))

Function

[Isoform SCPx]: Plays a crucial role in the peroxisomal oxidation of branched-chain fatty acids (PubMed:10706581). Catalyzes the last step of the peroxisomal beta-oxidation of branched chain fatty acids and the side chain of the bile acid intermediates di- and trihydroxycoprostanic acids (DHCA and THCA) (PubMed:10706581). Also active with medium and long straight chain 3-oxoacyl-CoAs. Stimulates the microsomal conversion of 7-dehydrocholesterol to cholesterol and transfers phosphatidylcholine and 7-dehydrocholesterol between membranes, in vitro (By similarity). Isoforms SCP2 and SCPx cooperate in peroxisomal oxidation of certain naturally occurring tetramethyl- branched fatty acyl-CoAs (By similarity).

Cellular Location

[Isoform SCP2]: Peroxisome {ECO:0000250|UniProtKB:P32020}. Cytoplasm. Mitochondrion.

Endoplasmic reticulum {ECO:0000250|UniProtKB:P32020}. Mitochondrion {ECO:0000250|UniProtKB:P32020}

Tissue Location

Liver, fibroblasts, and placenta.

SCP2 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SCP2 Blocking Peptide (C-term) - Images**SCP2 Blocking Peptide (C-term) - Background**

Mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. May play a role in regulating steroidogenesis.

SCP2 Blocking Peptide (C-term) - References

Ohba T.,et al.Genomics 24:370-374(1994).
He Z.,et al.DNA Cell Biol. 10:559-569(1991).
Yamamoto R.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:463-467(1991).
Yamamoto R.,et al.Hokkaido Igaku Zasshi 67:839-848(1992).
Ota T.,et al.Nat. Genet. 36:40-45(2004).