

Product datasheet for **SC211190**

Sterol carrier protein 2 (SCP2) (NM_001007100) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Sterol carrier protein 2 (SCP2) (NM_001007100) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: SCP2
Synonyms: NLTP; NSL-TP; SCOX; SCP-2; SCP-CHI; SCP-X; SCPX
ACCN: NM_001007100
Insert Size: 1024 bp
Insert Sequence: >SC211190 3'UTR clone of NM_001007100

The sequence shown below is from the reference sequence of NM_001007100. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGCTTCAGCCAGGCAACGCTAAGCTCTGAGAAGACTCCCTTTGGCTACTTTTGAAAATCAAGATGAGAT
ATATAGATATATCCATACATTTTATTGTCAGAATTTAGACTGAAACTACACATTGGCAAATAGCGTG
GGATAGATTTGTTTCTTAATGGGTGTGACCAATCCTGTTTTTCTATGCTCTGGGTGAATAGAGCCTGA
TGGTATACTACTGCTTTGCGGAATTGCATACAACGTGTCATTACAAAGTTAATATGGTAATTATGGTCT
GGGGTAAAATTGAGTTTCAGAATAAAATTAGGAACAGTAAAATCCAAAGAACTATGTAACAAAAAGC
TTTTGTTTGGCTTACAAAGTATATTTAAGGATTATTCTGCTGAAGATTCAGTTAAGAGTTTTCTTGG
GAGAACTAAGTAAGAAACACAATGCCAACAGCTGGCCAGTAATTAGTGTGTGCACTTCATGTCATTAA
TCAATTTCTCAATAGTTCTTAAAATTAGTGAGATTAATAATCTAAAAATTTGCATTTTCATGCTATCAG
AAACAGTATTTTCTCCCAAATCAAAAATAAAGAAATATGATCAGAGCTTGAACACAGGCTTATTTTTA
AAATAAAAATATTTTTAACATGGGTTTCCTTATTGAAAAATCAGTGTATTAGTCATAAAACACCATCAT
TAAGAATAATTGAACAATAAAGTTTGCTTTCAGATGCAGTTTTCAAATTATAATCTCATTCAATTTAT
AACGTTCTCAGTCCTTTGTTATAATTTTCTTTTTTCATGTAAGTTAATTATCTGCATTTATCTTTTTT
CCTAGTTTTTCTAATACTAATGTTATTTCTTAAAATTCAGTGAGATATAGGATAAAAATAATGCTTTGAG
AAGAATGTTTAATAGAAAATTAATAACTTTTTCTGGCCTCTCTGTTTTTACTGTGTATGTTCTTGC
TCAGGGCTCTCTAGATAATGCAGAAATAAGAGAAACGTTGGGGGATTTATAAACTGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001007100.3
Summary:	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.[provided by RefSeq, Aug 2010]
Locus ID:	6342
MW:	39.8