

## Product datasheet for **SC212105**

### Sterol carrier protein 2 (SCP2) (NM\_001007250) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Sterol carrier protein 2 (SCP2) (NM\_001007250) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** SCP2  
**Synonyms:** NLTP; NSL-TP; SCOX; SCP-2; SCP-CHI; SCP-X; SCPX  
**ACCN:** NM\_001007250  
**Insert Size:** 1146 bp  
**Insert Sequence:** >SC212105 3'UTR clone of NM\_001007250  
 The sequence shown below is from the reference sequence of NM\_001007250. 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
CAATGGCTGACTCAGACTTCCTGGCTTATGACTGGTAAAAATGAATCCTCAGTCGGCCTTCTTTCAAG
GCAAAATTGAAAACTACTGGCAACATGGGTCTCGCTATGAAGTTACAAAATCTTCAGCTTCAGCCAGGCA
ACGCTAAGCTCTGAAGAACTCCCTTTGGCTACTTTTAAAAATCAAGATGAGATATATAGATATATATCC
ATACATTTTATTGTCAGAATTTAGACTGAACTACACATTGGCAAATAGCGTGGGATAGATTTGTTTCT
TAATGGGTGTGACCAATCCTGTTTTCTATGCTCTGGGTGAATAGAGCCTGATGGTATACTACTGCTT
TGCGGAATTGCATACAACGTGCATTACAAAGTTAATATGGTAATTATGGTCTGGGGTAAAATTGAGTT
TCAGAATAAAATTAGGAACAGTAAAATCCAAAGAACTATGTAACAAAAAAGCTTTTGTGTTGCTTACA
AAGTATATTTAAGGATTATTCTGCTGAAGATTCAGTTTAAAGATTTTCTTGGGAGAACTAAGTAAGAA
ACACAATGCCAACAGCTGGCCAGTAATTAGTGTGTGCACTTCATGTCATTAATCAATTTCTCAATAGT
TCTTAAAATTAGTGAGATTAATAATCTAAAAATTTTGCATTTTCATGCTATCAGAAACAGTATTTTCTTC
CCAAATCAAAATAAAAGAAATATGATCAGAGCTTGAACACAGGCTTATTTTTAAAATAAAAATATTTTT
AACATGGGTTTCCCTTATTGAAAAATCAGTGTATTAGTCATAAAACACCATCATTAGAATAATTGAACA
ATAAAGTTTGCTTTCAGATGCAGTTTTCAAATTATAATCTCATTTCATTTATAACGTTCTCAGTCCTT
TGTTATAATTTTCTTTTTCATGTAAGTTAATTATCTGCATTTATCTTTTTCTAGTTTTTCTAATA
CTAATGTTATTTCTTAAAATTCAGTGAGATATAGGATAAAATAATGCTTTGAGAAGAATGTTTAATAGA
AAATTAATAAATCTTTTCTGGCCTCTCTGTTTTACTGTGTATGTTCTTGCTCAGGGCTCTCTAGAT
AATGCAGAATAAAGAGAAACGTTGGGGGATTTATAAACTGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001007250.3</a>
<b>Summary:</b>	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]
<b>Locus ID:</b>	6342
<b>MW:</b>	44.5