

Product datasheet for **SC118114**

SCP1 (SYCP1) (NM_003176) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCP1 (SYCP1) (NM_003176) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCP1
Synonyms:	CT8; HOM-TES-14; SCP-1; SCP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118114 sequence for NM_003176 edited (data generated by NextGen Sequencing)

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ATGGAAGCAAGCCCTTTGCATTGTTTCGTACCACCGAGATCAAGCAGCAGTCAGGTG
TCTGCGGTGAAACCTCAGACCCTGGGAGGCGATTCCACTTTCTTCAAGAGTTTCAACAAA
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AACATTGATTCAGATCCTGCTTTACAAAAAGTTAATTTCTTGCCCGTGCTTGAGCAGGTT
GGTAATTCTGACTGTCATATCAGGAAGGACTAAAAGACTCTGATTTGGAGAATTCAGAG
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ATTGAAGCACAGCGAAAAGCCATTCAGGAAGTCAATTTGGAAAATGAAAAGTAAGTTTG
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GATCTAAAACTGAGCTTGAAAACGAGAAGCTTAAGAATACTGAATTAACCTCACACTGC
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 CTCAAGAATCAGCAAGAAGATATTAATAATAACAAAAAGCAAGAAGAAAGGATGTTGAAA
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 TTGAGCATGGTTTCAGAAGAAGAGACATTGAAAACACTGTATAGGAACAATAATCCACCA
 GCTTCTCATCTTTGTGTCAAAACACCAAAAAAGGCCCTTCATCTCTAACAAACCCCTGGA
 TCTACACTGAAGTTTGGAGCTATAAGAAAAATGCGGGAGGACCGTTGGGCTGTAATTGCT
 AAAATGGATAGAAAAAAAAGCTAAAAGAAGCTGAAAAGTTATTTGTTTAA

Clone variation with respect to NM_003176.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003176 unedited
 GGGGAAGTACGGTATTTTGTAAACGATTCACTATAGGCGGCCGATAACTTCGTATAGCA
 TACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGG
 AGCCGTTGAACTGCCAGCCGCCCGGGGCCACGCGCTCCGGGCCGCTCAGGCTGAGCGAT
 TTCCCGCCTTTTCTGAGGTTCTGAGGCGGGAGCCATTGGTTCTTTCTGTTGCCCTCATAG
 ACCGTATGTAGCAGTTCGCGTGGGCACAGAACCACGGTTTCCCGCTAGTTCTTCAAAGA
 TATTTACAACCGTAACAGAGAAAATGAAAAGCAAAAGCCCTTTGCATTGTTCTGACCAC
 CGAGATCAAGCAGCAGTCAGGTGTCTGCGGTGAAACCTCAGACCCTGGGAGGCGATTCCA
 CTTTCTTCAAGAGTTTCAACAAATGTAAGATGATTTTGGATTTCCATTTGCAAAGA
 CTAATCTCTCAAAAATGGGAAAACATTGATTGAGATCTGCTTTACAAAAAGTTAATT
 TCTTGCCCGTGTGAGCAGGTTGGTAATTCTGACTGTCACTATCAGGAAGGACTAAAAG
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 CTGAAAAGATAAAAAAATGAAAAGTAAGTACAGAAGCTGAACTGAGACAGAAAAGAAAGTA
 AGTTGCAAGACAACAGAAAGATAATTTGAAGCACAGCGAANAGCCATTACGGAACTGCA
 TTTGAAAATGAAAAGTAAGTTTGAATTAANGAGAAGGCATACCAGAAATAAGATTTATA
 AAAGAGAATATGCCACAGGCATTTATGTGATCTACTCANAAAACCTGTGCTAGATCT

Restriction Sites:

Please inquire

ACCN:

NM_003176

Insert Size:

3950 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003176.2 , NP_003167.2
RefSeq Size:	3503 bp
RefSeq ORF:	2931 bp
Locus ID:	6847
UniProt ID:	Q15431
Cytogenetics:	1p13.2
Gene Summary:	<p>Major component of the transverse filaments of synaptonemal complexes, formed between homologous chromosomes during meiotic prophase. Required for normal assembly of the central element of the synaptonemal complexes. Required for normal centromere pairing during meiosis. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Both variants 1 and 2 encode the same isoform.</p>