

Product datasheet for **SC306641**

SCP3 (SYCP3) (NM_153694) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCP3 (SYCP3) (NM_153694) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYCP3
Synonyms:	COR1; RPRGL4; SCP3; SPGF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306641 representing NM_153694. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGTCTCCGAAAAAGTATTCCAGGAAATCTGGGAAGCCGTCTGTGGAAGATCAGTTACGAGA
GCCTATGACTTTGAGACTGAAGATAAGAAAGATCTGAGTGGATCAGAGGAAGATGTTATTGAAGGAAG
ACTGCAGTCATTGAGAAACGTAGGAAGAAAAGTCTTCTGCAGGAGTAGTTGAAGATATGGGGGTGAA
GTGCAGAAATGCTGGAAGGAGTTGGAGTTGACATTAACAAGGCTCTTCTGCCAAGAGAAAAGACTA
GAAATGTATACCAAGGCTTCTCTCAAACTAGTAACCAGAAAATTGAACATGTTTGAAAAACACAACA
GATCAAAGGCAGAAGCTTAACCAAGAATATTCTCAGCAGTTTCTGACTTTGTTTCAGCAGTGGGATTTA
GATATGCAGAAAGCTGAGGAACAAGAAGAAAAATACTTAATATGTTTCGACAGCAACAAAAGATCTT
CAACAATCTAGAATTGTTTCAGAGCCAGAGATTGAAAACAATTAACAGTTATATGAGCAGTTCATAAAG
AGTATGGAAGAGTTGGAGAAGAATCATGATAATCTACTTACTGGTGCACAAAATGAATTTAAAAAGAA
ATGGCTATGTTGCAAAAAAATATGATGAAACTCAGCAGCAAGAGATAGCAAGTGTTCGGAAGTCT
CTTCAATCCATGTTATTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_153694
Insert Size:	711 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_153694.4
RefSeq Size:	1137 bp
RefSeq ORF:	711 bp
Locus ID:	50511
UniProt ID:	Q8IZU3
Cytogenetics:	12q23.2
MW:	27.7 kDa
Gene Summary:	<p>This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>