

Product datasheet for **SC328378**

SCP3 (SYCP3) (NM_001177949) Human Untagged Clone

Product data:

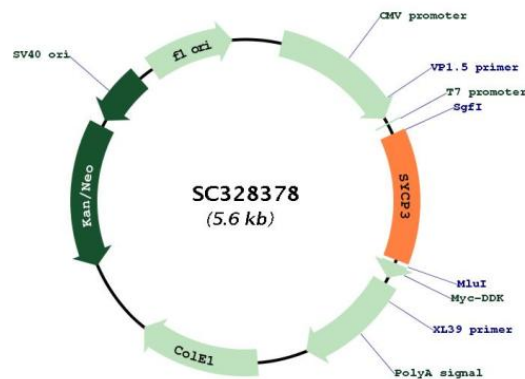
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SCP3 (SYCP3) (NM_001177949) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SYCP3 |
| Synonyms: | COR1; RPRGL4; SCP3; SPGF4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC328378 representing NM_001177949. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGCCTCCGAAAAAGTATTCCAGGAAATCTGGGAAGCCGTCTGTGGAAGATCAGTTTACGAGA
GCCTATGACTTTGAGACTGAAGATAAGAAAGATCTGAGTGGATCAGAGGAAGATGTTATTGAAGGGAAG
ACTGCAGTCATTGAGAAACGTAGGAAGAAAAGTCTTCTGCAGGAGTAGTTGAAGATATGGGGGTGAA
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GAAATGTATACCAAGGCTTCTCTCAAACTAGTAACCAGAAAATTGAACATGTTTGAAAAACACAACAA
GATCAAAGGCAGAAGCTTAACCAAGAATATTCTCAGCAGTTTCTGACTTTGTTTCAGCAGTGGGATTTA
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CTTCAATCCATGTTATTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001177949

Insert Size: 711 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).

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:

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_001177949.1](#)

RefSeq Size: 1141 bp

RefSeq ORF: 711 bp

Locus ID: 50511

UniProt ID: [Q8IZU3](#)

Cytogenetics: 12q23.2

MW: 27.7 kDa

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.