

Product datasheet for **SC337708**

SCP1 (SYCP1) (NM_001282542) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCP1 (SYCP1) (NM_001282542) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYCP1
Synonyms:	CT8; HOM-TES-14; SCP-1; SCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001282542, the custom clone sequence may differ by one or more nucleotides

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ATGAAAAAGCAAAGCCCTTTGCATTGTCGTACCACCGAGATCAAGCAGCAGTCAGGTGTCTGCGGTGA
AACCTCAGACCCCTGGGAGGCGATTCCACTTTCTCAAGAGTTTCAACAAATGTACTGAAGATGATTTTGA
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TTGCTAAAATGGATAGAAAAAAAAGTAAAAGAAGCTGAAAAGTATTTGTTTAA
    
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001282542

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_001282542.1 , NP_001269471.1
RefSeq Size:	3457 bp
RefSeq ORF:	2856 bp
Locus ID:	6847
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 (3) differs in the 5' UTR and lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p>