

Product datasheet for **SC122990**

SMCP (NM_030663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMCP (NM_030663) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMCP
Synonyms:	HSMCSGEN1; MCS; MCSP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_030663 edited

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GAGAGTCATGGACTCACTAGGCTGCTGAGGAAGATCAATAATACCTACTGGAATCAGTCA
TGAGAAGTCAAGCATGGAAATTGTGAATTGTGTGTGGCCAGACCAGTACCTCCAAGTG
TTCAGAAGATGTGTGACCAGACAAAACACAGTAAATGCTGCCAGCAAAAGGCAATCAAT
GCTGCCACCACAGCAGAACCAAGTGCTGCCAGTCAAAAGGCAATCAATGCTGCCACCAA
AACAGAACCAAGTGCTGCCAGCAAAAGGCAAGTCAATGCTGCCACCAAAACACAATCACT
GCTGCCAGCAAAACCCCATGCTGCATTAGGCCAGGTGCTGTGGTTTGGAGACCAAGC
CTGAAGTCTACCCCTTAACATGGAGTCTGAGCCCACTACCGCAAACTCAGGACAAGG
GCTGTCAAACCCAGCAGCAGCCCATAGCCACAAAATGAGTCCAGGCCAAGCAAATGAG
AGCAGAAGAAGTCAAACAAAGAAGAAGTCCCTGGGGCCATGCCTTTCACCTTTGTAGGGTG
GGGGATTACTGAGAGTCAGGCTAGACCTGTGTTTAGAGAAGCAGTTTTCACAGTGACTAC
CATTTCCACCCAATGAGAGGCTCCTATTTCCCATCATAGCTCCCTACCCTAGGGAGGCCT
CCATCTGGAATGGGAGGATGAAGAGGCTAGAATCATCTTTCCTAGTGATCCTGACATTT
AGACAGCACAGAAATAAAGAGCAATAAAAGAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_030663 unedited NNGGAGTCTGCATATTTGTATACGACTCACTATAGGCGGCCGCATAACTTCGTATAGCAT ACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGG AGAGTCATGGACTCACTAGGCTGCTGAGGAAGATCAATAATACCTACTGGAATCAGTCAT GAGAAGTCAAGCATGGAATTGTGAATTGTGTGTGGCCAGACCAGTACCTCCAAGTGT TCAGAAGATGTGTGACCAGACAAAACACAGTAAATGCTGCCAGCAAAAGGCAATCAATG CTGCCCCACCACAGCAGAACCAAGTCTGCCAGTCAAAAGGCAATCAATGCTGCCACCAAA ACAGAACCAGTGTGCCAGCCAAAAGGCAGTCAATGCTGCCACCAAAACACAATCACTG CTGCCAGCCAAAACCCCATGCTGCATTGAGGCCAGGTGCTGTGGTTTGAGACCAAGCC TGAAGTCTCACCCCTTAACATGGAGTCTGAGCCCAACTCACCGCAAACCTCAGGACAAGGG CTGTCAAACCCAGCAGCAGCCCCATAGCCACAAAATGAGTCCAGGCCAAGCAAATGAGA GCAGAAGAAGTCAAACAAAGAAGTCCCTGGGGCCATGCCTTTCACTTTGTAGGGTGG GGGATTACTGAGAGTCATGCTAGACCTGTGTTAGAGAAGCAGTTTTACAGTGACTACC ATTTCCACCCAATGAGAGGCTCCTATTTCCCATCATAGCTCCCTACCCTAGGGAGGCCTC CATCTGGAATGGGAGGATGAAGAGGCTAGAATCATCTTCTAGTGATCCTGACATTTA GACAGCCAGAAATAAAGAGCATTAAAAGAAAAAAAAAAAAAACTG
Restriction Sites:	Please inquire
ACCN:	NM_030663
Insert Size:	771 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:	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_030663.2 , NP_109588.2
RefSeq Size:	784 bp
RefSeq ORF:	351 bp
Locus ID:	4184
UniProt ID:	P49901
Cytogenetics:	1q21.3

Gene Summary:

Sperm mitochondria differ in morphology and subcellular localization from those of somatic cells. They are elongated, flattened, and arranged circumferentially to form a helical coiled sheath in the midpiece of the sperm flagellum. The protein encoded by this gene localizes to the capsule associated with the mitochondrial outer membranes and is thought to function in the organization and stabilization of the helical structure of the sperm's mitochondrial sheath. [provided by RefSeq, Jul 2008]