

Product datasheet for **RN202068**

Sypc1 (NM_012810) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sypc1 (NM_012810) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sypc1
Synonyms:	SCP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202068 representing NM_012810
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCAGTCTATCAAAAAATCGGGAACATTGATACAGATCCCCTTTTCAAAAACTTAGCATTGTC
 CCATGCTTGAACAGGTTGCAAATCTGGCAGTTGCCACTATCAGGAAGGAGTAAATGACTCTGATTTTGA
 GAATTCAGAGCCAATGAGCAGACTGTACTCAAAGCTGTATAAAGAGGCTGAAAAGATAAAAAAGTGAAAA
 GTGAGCATAGAGTCTGAACTGAAGCAGAAAAGAAAATAAGTTGCAAGAAAACAGAAAGATAATTGAAGCCC
 AGCGAAAAGCCATTCAGGAACCTCAGTTTAAAAATGAAAAAGTAAAGCTTGAATTAAGAAGAAAATTC
 AGAAAAATAAGATTTAATCAAGGAGAATAATGCTACAAGACATTTGGTGAATTTACTCAAGGAAACCTGT
 GCTAGACTGCGAGAAAAGACAAGTAAATATGAATATGAGCGAGAAGAAACCAGACAAGTTTATGTGGATC
 TAAATAATAACATTGAGAAAATGATACTAGCTTTTGGGAACTTCGTGTGCAAGCTGAGAATGCCAGGCT
 GGAATGCACTTTAAGTTAAAGGAAGATCATGAAAAATCCAACATCTTGAAGAAGAATATCAGAAGGAA
 GTAACAACAAGGAAAACAGGTATCACTACTATTGATCCAAAGTACTGAGAAAAGAAAATAAAATGAAAG
 ATTTAACATTTCTGCTAGAGGAATCCAGAGATAAAGCTAATCAATTAGAGGAAAAACAAAATTACAAGA
 TAAAAACTTAAAAGAAATTAATGAAAAGAAGGATCATTTAACATCAGAAGTTGAAGATATTAATATGTCC
 ATGCAAGAAGTATGAGCACTCAGAAGACTTTAGAGGAAGATTTACAGATAGCAACAAAAACGATTTATC
 AGCTCACTGAAGAAAAAGAGCTCAATGGAAGAACTCAACAAAGCTAAAACACTCACTCACTTGTGGT
 GACTGAACTTAAAGCCACTACATGTACCTTGGAGGAATTACTGAGAACAGAACAGCAAAGATTGAAAAAT
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 TTGCAAAACAGAGAGAAAAGAAATCCATGATTTGGAAGTACAAGTAACTGTCACTAAAAACAAGTGAAGAAC
 ATTATTTAAACAGGTTGAAGAAATGAAAACAGCTTGAAGAAAGAGAACTTAAGAATATTGAATTAAC
 TGCAAACTCTGACATGCTTTTGTGTTGAGAACAACAAAATTTGGTACAAGAAGCAAGTATATGGTCTAGAA
 CTCAAGAAACATCAAGAAGATATCATTAAATGCAAAAAGCAAGAAGAAAGGATGTTGAAACAAATAGAAA
 CTTTGGAAAGAAAAGAAATGAATTTAAGGGATGAACTGGAATCAGTAAGAAAAGAGTTTATACAGCAAGG
 AGATGAAGTTAAATGTAATTTGGACAAGAGTGAAGAAAATGCTCGAAGCATTGAATATGAAGTTTTAAG
 AAAGAAAAGCAGATGAAGATATTAGAAAATAAGTGAATATTTAAAGAAAACAAATCGAAAATAAAAGCA
 AGAATATTGAAGAGCTTACCAGGAGAATAAAGCCTTGAAAAAAAAGTTTCAAGCAGAAAACAAACAAC
 GAATGCATATGAGATAAAGGTCAATAAATTAGAGTTGGAATTAGCAAGTACCAAGCAAAAATTTGAAGAA
 ATGATTAACAACACTACCAGAAAAGAAATGAGATAAAAAAGATTTTCAAGAAGAAAAGCTTTTGGGAGAGGTTG
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 TCAGAATTAGGACTTTATAAAAAACAGAGAACAGGAACAGTCTTCAGCAAAGTTGCTTTGGAGACTGAAT
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 ATTAATAATGGAACAAGAAAACACAGCTATTCTCACAGATAAAAAAGACAAGAAAATACAGGCATCTTTG
 CTGGAATCACCTGAAGCCACTAGTTGAAATTTGATTCTAAAACAACTCCCTCACAAAATATATCTCGGC
 TTTCTCATCAATGGATAGTGGCAAAATCCAAGATAACAGAGATAGTCTGCGGGCATCTGCCAAAAGCAT
 TTTATCTACAACAGTTACAAAGGAATATACAGTGAAGACACCAACTAAAAAGAGCATATATCAAAGAGAA
 AACAAGTATTTACCTACTGGAGGAAGTAATAAAAAAGAGAAAAACTGTCTTTGAATTTGATGTTAATTCAG
 ATAGTTCAAGAACTACTGATCTTTTGGCTTTGAGGGAAGATATATCAAACAGGATTTATAATAA
 TAATACACCAGATTCTCATCTATTAGTCAAACTCCCAACAGACTCCTTTATCTTTATCAACTCCTGCA
 TCTTTTACGAAGTTTGAAGTCTGAAAAAATGAGAGAAGACCGTTGGGCAACGATTGCTAAAATGATA
 GAAAAGAAAGACTAAAGGAAGCAGAAAAGTTATTTACTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_012810
Insert Size:	2841 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_012810.1 , NP_036942.1
RefSeq Size:	3561 bp
RefSeq ORF:	2841 bp
Locus ID:	25276
UniProt ID:	Q03410
Cytogenetics:	2q34
Gene Summary:	component of the transverse filaments of synaptonemal complexes (SCs) that are formed between homologous chromosomes during meiotic prophase; may be involved in chromosome pairing and recombination [RGD, Feb 2006]