

Product datasheet for **RR212241**

Sypc3 (NM_013041) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sypc3 (NM_013041) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sypc3
Synonyms: RNASCP3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212241 representing NM_013041
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTTCGAGGCTGCGGAGAAGTCGGAGCAGTCGACTGCTCACCGGAGCAGCTGAACAAACATCTAAAGA
TGGTGCCTGGTGAAGAAAGCATTCTGGGAAATCTGGGAAACCACCATTGATTGATCAGCCTAAAAAGC
CTTTGACTTTGAGAAAGAAGATAAAGATCTATCTGGTTCAGAAGAAGATGCTGTTGATGAAAAGACTCAA
GTATTTGATAAACATGGAAAGAAAAGATCTGCAGGAATAATTGAAGATGTGGGAGGTGAAGTACAGAATA
TGCTGGAAAAATTTGGAGCTGACATCAACAAAGCTCTTCTGGCCAAGAAGAAAAGAATAGAAATGTATAC
CAAAGCTCTTTCAAAGCCAGTAACCAGAAAATTTGAACAAATTTGGAAAACACAACAAGAGGAAATACAG
AAGCTTAACAATGAATATTCTCAGCAATTTTTGAGTGTGTTGCAGCAGTGGAACTGGATATGCAGAAAT
TTGAGGAACAAGGAGAAAACTAACTAATCTTTTTCGACAACAGCAAAAGATTTTTCAGCAGACTAGAAT
TGTTTCAGAGCCAGAGAATGAAAGCAATCAACAGCTACATGAGCAGTTCATAAAGAGTTTGGAGGATGTG
GAGAAGAACAATGATAATCTATTTACTGGCACACAAAGTGAACCTAAAAAAGAAATGGCTATGTTGCAAA
AAAAAGTTATGATGGAACTCAGCAGCAAGAGATGGCAATGTTGAAAGTCTCTCAATCCATGTTATT
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212241 representing NM_013041
 Red=Cloning site Green=Tags(s)

MLRGCGEVGAVDCSPEQLNKHLKMPVGGGRKHSKGSGKPPLIDQPKKAFDFEKEDKDLGSEEDAVDEKTO
 VFDKHGKKRSAGIIEDVGGVEQNMLEKFGADINKALLAKKKRIEMYTKASFKASNQKIEQIWKTOQEEIQ
 KLNNEYSQQFLSVLQQWELDMQKFEEQGEKLTNLFRRQQKIFQQTRIVQSQRMKAIKQLHEQFIKSLLEDV
 EKNNNDLFTGTQSELKKEMAMLQKKVMMETQQQEMANVRKSLQSMFLF

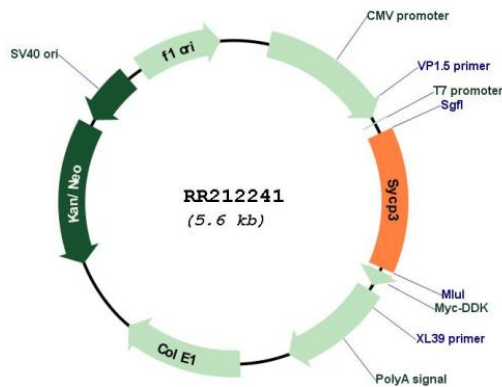
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013041
 ORF Size: 771 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_013041.1 , NP_037173.1
RefSeq Size:	1132 bp
RefSeq ORF:	774 bp
Locus ID:	25561
UniProt ID:	Q63520
Cytogenetics:	7q13
MW:	29.7 kDa
Gene Summary:	component of synptonemal complexes (SCs), formed between homologous chromosomes during meiotic prophase; may play a role in spermatogenesis [RGD, Feb 2006]