

Product datasheet for **MC223093**

Sympk (BC049852) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sympk (BC049852) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sympk
Synonyms:	SPK, SYM
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC049852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAGCAGCAGCGGGGACAGTGTACCCGCCGGAGTGTGGCATCACAGTTTTTCACACAAGAAGAAG
GGCCAAGCATCGATGGCATGACCACTTCTGAGAGGGTGGTAGATCTTCTGAACCAGGCTGCATTGATCAC
CAATGACTCCAAGATCACAGTGTCAAACAGGTCCAAGAGCTGATCATCAACAAGGACCCACCCTGCTT
GACAACTTCTGGATGAGATCATCGCTTCCAAGCAGACAAATCCATTGAAGTGCACAAGTTTGTATTG
GCTTCATTGAGGAGGCATGCAAGCGGGACATTGAGCTGCTGCTAAAACCTGATTGCCAACCTCAACATGCT
ATTGCGGGATGAAAATGTGAACGTGGTTAAGAAGGCCATCCTCACCATGACCCAGCTCTACAAGGTGGCC
CTACAGTGGATGGTGAAGTCTCGAGTCATCAGTGTCTCCAGGAGGCCTGCTGGGACATGGTGTCTCTCA
TGGCTGGGAAATCATCTGCTTTTGGATTCTGACAACGATGGCATCCGTACACATGCCATCAAGTTTGT
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ATCAGTCTGGACCGCATTCCCTCGAGATCACCCCTACATCCAGTACAATGTCTATGGGAAGAAGGCAAGG
CAGCTGTGGAGCAGCTGCTGAAGTTCATGGTGCACCCCGCCATCTCCTCCATCAACCTGACCAAGCGCT
CGGCTCCCTTGCCAACATCGCCCGCAGAGACCCATGTTTCATGTCGAGGTGATCCAGGCTATGAGACT
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GACGATACAGATTCCACGCTCAAGAAGATGAAGCTGGAGCCCACTTGGGAGAAGACGATGAGGACAAG
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CACTGCTGAGTCTTGCAGCCTCTGCTGACACCTGACAATGTGGCAATCTGGTCTCATCAGCATGGT
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CCAGATCAAGCACCTGGCTCGACTCATGGCCACACAGATGACAGCTGCAGGACTGGGTCTGGTGTGGA
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CGGCGCCTGTCCGTGCAGGGCCAGGCCATCTCTGTGGTAGGCTCTCAGAGCACCATGTCTCCCTTGGAGG



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AGGAGGTACCCAGGCCAAGAGGAGGCCAGAACCATCATCCCTGTCACGCAGCCACGGCTGGCAGGCGC
 AGGTGGGCGCAAGAAGATCTCCGTCTGAGCGATGTGCTGAAGCCCTGACAGATGCCAGGTGGAAGCC
 ATGAAGCTAGGAGCTGTGAAGCGGATCTGAGGGCTGAGAAGGCTGTAGCCTGCAGTGGGCGAGCCAGG
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 AGTCCCTCACCATGTACCCCGCCTGGGGGCTTCGTGATGAACATCCTGGCCGACTCATCATGAAGCA
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 CTGGAGCCCTTGCTCTGGCTTTGGCCCGGCTCCGGCCCGGCCCGGCCCGGCCCTGCCACGGC
 CCCCTCAGGACCTCATCGCCTGCGATTGGCTCAGGAGAAGGCCCTGAAGAGGCAGCTGGAGGAGGAACA
 GAAGCAGAAGCCACAGGCATCGGAGCGCCGCTGCCTGTGTGCTCAACGCCCTCGGTGCCAGCAGCA
 GCCCGAGCTGGGCCACCCAGCTGAGGAGTTCATGGAATACCGGAGGAGGGTCCCGAATGCGAGACCC
 CGCCATCTTTCATCAGCATGGACGACACTCGGGGCTGGCTGAAACCACACTGCTGGACTCTAGTCTCGA
 GGGGCCCTGCCTAAGGAGGCAGCAGCTCGGGTTCGAGCTCAAAGGATGAGCGGAGCCCCAGAACCTC
 AGCCATGCTGTGGAAGAAGCCTTGAAGACCTCCAGCCAGAAACCAGGGAACCCGAGAGCAAGGGGAACA
 GCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC049852
- Insert Size:** 3855 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: [BC049852](#), [AAH49852](#)

RefSeq Size: 4071 bp

RefSeq ORF: 3854 bp

Locus ID: 68188

Cytogenetics: 7 A3

Gene Summary: Scaffold protein that functions as a component of a multimolecular complex involved in histone mRNA 3'-end processing. Specific component of the tight junction (TJ) plaque, but might not be an exclusively junctional component. May have a house-keeping rule. Is involved in pre-mRNA polyadenylation. Enhances SSU72 phosphatase activity (By similarity). [UniProtKB/Swiss-Prot Function]