

Product datasheet for MC224167

Sympk (NM_026605) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sympk (NM_026605) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sympk
Synonyms:	1500016F02Rik; 4632415H16Rik; AA125406; AI449890; SPK; SYM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224167 representing NM_026605 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAGCAGCAGCGGGACAGTGTCAACCGCCGGAGTGTGGCATCACAGTTTTTCACACAAGAAGAAG
GGCCAAGCATCGATGGCATGACCACTTCTGAGAGGGTGGTAGATCTTCTGAACCAGGCTGCATTGATCAC
CAATGACTCCAAGATCACAGTGTCAAACAGGTCCAAGAGCTGATCATCAACAAGGACCCACCCTGCTT
GACAACTCCTGGATGAGATCATCGCTTCCAAGCAGACAAATCCATTGAAGTGGCAAGTTTGTATTG
GCTTCATTGAGGAGGCATGCAAGCGGGACATTGAGCTGCTGCTAAAAGTATCGCCAACCTCAACATGCT
ATTGCGGGATGAAAATGTGAACGTGGTTAAGAAGGCCATCCTCACCATGACCCAGCTCTACAAGGTGGCC
CTACAGTGGATGGTGAAGTCTCGAGTCATCAGTATCTCCAGGAGGCCTGCTGGGACATGGTGTCTCTA
TGGCTGGGAAATCATCTGCTTTTGGATTCTGACAACGATGGCATCCGTACACATGCCATCAAGTTTGT
GGAGGGCCTCATTGTCAACCTGTCAACCCGCATGGCTGACTCAGAGGTCCCACGACGCCAGGAGCATGAC
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CAGCTGTGGAGCAGCTGCTGAAGTTCATGGTGCACCCCGCCATCTCTCCATCAACCTGACCACAGCGCT
CGGCTCCCTTGCCAACATCGCCCGCCAGAGACCCATGTTTCATGTCCGAGGTGATCCAGGCCTATGAGACT
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CCCAGATCAAGCACCTGGCTCGACTCATGGCCACACAGATGACAGCTGCAGGACTGGTCTGCTGTGGA
ACAGACGAAACAGTGCAAGGAGGAGCCCAAGGAGGAGAAGGTGGTAAAGCCGGAGAGCGTCTGATCAAG



CGGCGCCTGTCGGTGCAGGGCCAGGCCATCTCTGTGGTAGGCTCTCAGAGCACCATGTCTCCCTTGAGG
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 AGGTGGGCGCAAGAAGATCTTCCGTCTGAGCGATGTGCTGAAGCCCCTGACAGATGCCAGGTGGAAGCC
 ATGAAGCTAGGAGCTGTGAAGCGGATCTGAGGGCTGAGAAGGCTGTAGCCTGCAGTGGGCGAGCCAGG
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 TATCCTGGAAGATGTCCGGGCCCTCTGGACCTGGCTTTTGCCTGGCTCTACCAGGAATAAATGCCTAC
 CTGGCAGCAGGGACCTCAGGCACTCTGGACAAATATGAGGATTGCCTCATCTGCCTGCTCTGGACTAC
 AAGAGAAACCAGACCAGAAAGATGGGATCTTTACCAAGGTGGTTTTGGAGGCCCACTGATCACTGAGAG
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 TGACATGAAGTCCATCATCAAAGCCACCAACCTGTGTTTTGCGGAGCGGAATGTGTACACGTGGAAGTG
 CTAGCTGTGGTGTGATGCAGCAGCTGATGGAGCAAAGCCCTGCCCATGCTGCTCATGCGGACCGTATCC
 AGTCCCTCACCATGTACCCCGCCTGGGGGCTTCGTGATGAACATCCTGGCCGACTCATGTAAGCA
 GGTATGGAAGTACCCCAAGGTATGGGAGGCTTCATCAAGTGTGCCAGCGCACCAAGCCACAGAGTTTC
 CAGGTATCCTGCAGTACCTCCACAGCAGCTTGGCGCAGTCTTTGACAAGTGCCCTGAGCTCCGGGAGC
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 CTGGAGCCCTTGGCTCTGGCTTTGGCCCGGCTCCGGCCCGGCCCGGCCCGGCCCGGCCCGGCC
 CTGCCCCAGGCCCTCAGGACCTCATCGCCTGCGATTGGCTCAGGAGAAGGCCCTGAAGAGGCAGT
 GGAGGAGGAACAGAAGCAGAAGCCACAGGCATCGGAGCGCCGCTGCCTGTGTGCTCAACGCCCTCG
 GTGCCAGCAGCAGCCGAGCTGGGCCACCCAGCTGAGGAGTCAATGGAATACCGGGAGGAGGGTCCCG
 AATGCGAGACCCCGCCATCTTATCAGCATGGACGACGACTCGGGGCTGGCTGAAACCACACTGCTGGA
 CTCTAGTCTCGAGGGGCCCTGCCTAAGGAGGCAGCAGTCCGGTTCGAGCTCCAGGATGAGCGGAGC
 CCCCAGAACCTCAGCCATGCTGTGGAAGAAGCCTTGAAGACCTCCAGCCAGAAACCAGGGAACCCGAGA
 GCAAGGGGAACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_026605
- Insert Size:** 3867 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_026605.2](#), [NP_080881.2](#)

RefSeq Size: 4121 bp

RefSeq ORF: 3867 bp

Locus ID: 68188

UniProt ID: [Q80X82](#)

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]
Transcript Variant: This variant (1) encodes the longer isoform (1).