

## Product datasheet for MR211888

### Sympk (BC049852) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sympk (BC049852) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sympk
Synonyms:	SPK, SYM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211888 representing BC049852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAAGCAGCAGCGGGACAGTGTCAACCGCCGGAGTGTGGCATCACAGTTTTTCACACAAGAAGAAG  
GGCCAAGCATCGATGGCATGACCACTTCTGAGAGGGTGGTAGATCTTCTGAACCAGGCTGCATTGATCAC  
CAATGACTCCAAGATCACAGTGTCAAACAGGTCCAAGAGCTGATCATCAACAAGGACCCACCCTGCTT  
GACAACTCCTGGATGAGATCATCGCTTCCAAGCAGACAAATCCATTGAAGTGGCAAGTTTGTATTG  
GCTTCATTGAGGAGGCATGCAAGCGGGACATTGAGCTGCTGCTAAAAGTATTGCCAACCTCAACATGCT  
ATTGCGGGATGAAAATGTGAACGTGGTTAAGAAGGCCATCCTCACCATGACCCAGCTCTACAAGGTGGCC  
CTACAGTGGATGGTGAAGTCTCGAGTCATCAGTGTCTCCAGGAGGCCTGCTGGGACATGGTGTCTCCCA  
TGGCTGGGAAATCATCTGCTTTTGGATTCTGACAACGATGGCATCCGTACACATGCCATCAAGTTTGT  
GGAGGGCCTCATTGTCAACCTGTCAACCCGCATGGCTGACTCAGAGGTCCCACGACGCCAGGAGCATGAC  
ATCAGTCTGGACCGCATTCTCGAGATCACCCCTACATCCAGTACAATGTCTATGGGAAGAAGGCAAGG  
CAGCTGTGGAGCAGCTGCTGAAGTTCATGGTGCACCCCGCCATCTCTCCATCAACCTGACCACAGCGCT  
CGGCTCCCTTGCCAACATCGCCCGCCAGAGACCCATGTTTCATGTCCGAGGTGATCCAGGCCTATGAGACT  
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TCTGGGACAGCCCCAGGCTGAGATCGCCCCGAAACATGCCTAGCAGCAAGGACTCCCAGCAAGCGGCCCGG  
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CACTGCTGAGTCTTGCAGCCTCTGCTGACACCTGACAATGTGGCAATCTGGTCTCATCAGCATGGTG  
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CGGCGCCTGTCGGTGCAGGGCCAGGCCATCTCTGTGGTAGGCTCTCAGAGCACCATGTCTCCCTTGAGG  
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CCCCTCAGGACCTCATCGCCTGCGATTGGCTCAGGAGAAGGCCCTGAAGAGGCAGCTGGAGGAGGAACA  
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GCCCGAGCTGGGCCACCCAGCTGAGGAGGTGATGGAATACCGGAGGAGGGTCCCGAATGCGAGACCC  
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GC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211888 representing BC049852  
 Red=Cloning site Green=Tags(s)

MASSSGDSVTRRSVASQFFTQEEGPSIDGMTTSERVVDLLNQAALITNDSKITVLKQVQELIINKDPTLL  
 DNFLDEIIAFQADKSIEVRKFKVIGFIEEACKRDIELLLKLIANLNMLLRDENNVVKKAILTMTQLYKVA  
 LQWMVKSRVISDLQEACWDMVSSMAGEIILLSDNDGIRTHAIKFVEGLIVTLSPRMADSEVPRRQEH  
 ISLDRIIPRDHPYIQYNVLWEEGKAAVEQLLKFMVHPAISSINLTTALGSLANIARQRPFMSEVIQAYET  
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 DDTDSTLKKMKLEPNLGEDDEDKLEPGPSGTSKASAQISGQSDTDITAEFLQPLLTPDNVANLVLSMV  
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 LAAGTSGTLDKYEDCLICLLSGLQEKPDQKDGIFTKVLEAPLITESALEVIRKYCEDESRAYLGMSTLG  
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 LLLLVENCPKGAETLVTRCLHSLTDKVPSPSELVKRVRDLYHKRPLDVRFLIPVLNGLKKEKVIQALPKL  
 IKLNPIVVKEVFNRLLGTQHGEENSALSPLNPGELLIALHNIDSVKCDMKSIIKATNLCFAERNVYTSEV  
 LAVVMQQLMEQSPLMMLMRTVIQSLTMYPRLLGGFVMMILARLIMKQVWKYPKVWEGFIKCCQRTKPKSF  
 QVILQLPPQQLGAVFDKCELPREPLLAHVRSFTPHQQAHIPNSIMTILEATGKQEPEVKEAPSGLEEDD  
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 ARAGPTPAEEVMEYREEGPECETPAIFISMDSSGLAETLLDSSLEGPLPKEAAAVGSSSKDERSPQNL  
 SHAVEEALKTSSPETREPESKGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9044\\_h05.zip](https://cdn.origene.com/chromatograms/mm9044_h05.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

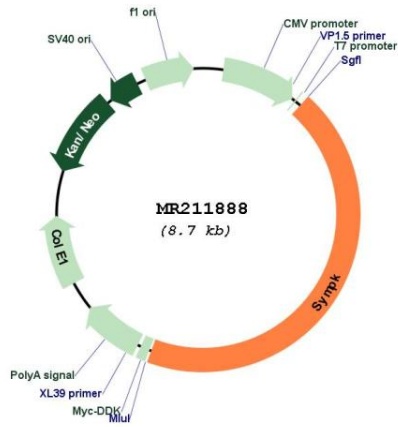


ACCN: BC049852

ORF Size: 3852 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC049852.1</a>
<b>RefSeq Size:</b>	4071 bp
<b>RefSeq ORF:</b>	3854 bp
<b>Locus ID:</b>	68188
<b>Cytogenetics:</b>	7 A3
<b>MW:</b>	149.3 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for MR211888