

Product datasheet for **MG211888**

Sympk (BC049852) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sympk (BC049852) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sympk
Synonyms:	SPK, SYM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211888 representing BC049852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAGCAGCAGCGGGACAGTGTCAACCGCCGGAGTGTGGCATCACAGTTTTTCACACAAGAAGAAG
GGCCAAGCATCGATGGCATGACCACTTCTGAGAGGGTGGTAGATCTTCTGAACCAGGCTGCATTGATCAC
CAATGACTCCAAGATCACAGTGTCAAACAGGTCCAAGAGCTGATCATCAACAAGGACCCACCCTGCTT
GACAACTCCTGGATGAGATCATCGCTTCCAAGCAGACAAATCCATTGAAGTGGCAAGTTTGTATTG
GCTTCATTGAGGAGGCATGCAAGCGGGACATTGAGCTGCTGCTAAAAGTATTGCCAACCTCAACATGCT
ATTGCGGGATGAAAATGTGAACGTGGTTAAGAAGGCCATCCTCACCATGACCCAGCTCTACAAGGTGGCC
CTACAGTGGATGGTGAAGTCTCGAGTCATCAGTGTCTCCAGGAGGCCTGCTGGGACATGGTGTCTCCCA
TGGCTGGGAAATCATCTGCTTTTGGATTCTGACAACGATGGCATCCGTACACATGCCATCAAGTTTGT
GGAGGGCCTCATTGTCACCCTGTCAACCCGATGGCTGACTCAGAGGTCCCACGACGCCAGGAGCATGAC
ATCAGTCTGGACCGCATTCTCGAGATCACCCCTACATCCAGTACAATGTCTATGGGAAGAAGGCAAGG
CAGCTGTGGAGCAGCTGCTGAAGTTCATGGTGCACCCCGCCATCTCTCCATCAACCTGACCACAGCGCT
CGGCTCCCTTGCCAACATCGCCCGCCAGAGACCCATGTTTCATGTCCGAGGTGATCCAGGCCTATGAGACT
CTGCATGCCAACCTGCCCAACGCTGGCCAAGTCCCAGGTGAGCAGTGTGCGGAAGAACCTTAAGCTGC
ACTTGCTCAGTGTGCTCAAGCACCTGCCTCCTTGGAGTTCCAGGCCAGATCACCACCCTGCTGGTGGGA
TCTGGGACAGCCCGAGGCTGAGATCGCCCGAAACATGCCTAGCAGCAAGGACTCCCGCAAGCGGCCCGG
GACGATACAGATTCACGCTCAAGAAGATGAAGCTGGAGCCCACTTGGGAGAAGACGATGAGGACAAAAG
ACTTGGAGCCTGGCCATCAGGGACGTCAAAGGCGTCAGCCAGATCTCAGGCCAGTCAGACACGGACAT
CACTGCTGAGTTCCTGACGCTCTGCTGACACCTGACAATGTGGCAATCTGGTCTCATCAGCATGGT
TACCTGCCTGAGACCATGCCTGCCTCCTCCAAGCCATCTACACCCTGTGGAGTCAGCAGGCACTGAAG
CCCAGATCAAGCACCTGGCTCGACTCATGGCCACACAGATGACAGCTGCAGGACTGGTCTGGTGTGGA
ACAGACGAAACAGTGCAAGGAGGAGCCCAAGGAGGAGAAGGTGGTAAAGCCGAGAGCGTCTGATCAAG



[View online »](#)

CGGCGCCTGTCGGTGCAGGGCCAGGCCATCTCTGTGGTAGGCTCTCAGAGCACCATGTCTCCCTTGAGG
 AGGAGGTACCCAGGCCAAGAGGAGGCCAGAACCATCATCCCTGTACGCAGCCACGGCTGGCAGGCGC
 AGGTGGGCGCAAGAAGATCTTCCGTCTGAGCGATGTGCTGAAGCCCCTGACAGATGCCAGGTGGAAGCC
 ATGAAGCTAGGAGCTGTGAAGCGGATCTGAGGGCTGAGAAGGCTGTAGCCTGCAGTGGGGCAGCCCAGG
 TGCGCATCAAGATCCTGGCCAGCCTCGTAACACAGTTCGACTCCGGATTCAGGCCAGAGGTGCTGCCTT
 TATCCTGGAAGATGTCCGGGCCCTCTGGACCTGGCTTTTGCCTGGCTCTACCAGGAATAATAATGCCTAC
 CTGGCAGCAGGGACCTCAGGCACTCTGGACAAATATGAGGATTGCCTCATCTGCCTGCTCTCTGGACTAC
 AAGAGAAACCAGACCAGAAAGATGGGATCTTTACCAAGGTGGTTTTGGAGGCCCACTGATCACTGAGAG
 TGCTTGGAGGTGATACGGAAGTACTGTGAGGATGAGAGTCGTGCCTACCTGGGCATGTCGACACTTGGA
 GACCTGATCTTCAAGCGCCCTTCTCGCCAGTTCAGTATCTGCACGTTCTTCTTGACCTCAGCTCTCACG
 AGAAGGACAGGGTGCCTCCAGGCCTTGTCTTCAATTAAGCGAATGTATGAGAAGGAGCAGCTTCGAGA
 GTATGTGGAGAAATTTGCCCTCACTACCTGCAGCTCCTGGTCCACCCCAACCCACCTCGGTGCTGTTT
 GGAGCCGACAAGGACACAGAGGTGGCCGACCCCTGGACAGAGGAAACAGTGAAGCAGTGTGTATCTGT
 ATCTGGCTCTCCTGCCTCAGAACCACAAGCTGATCCATGAGCTGGCAGCCGTGTACTGAAGCCATCGC
 TGACATCAAGCGGACAGTGTGAGGGTATTGAGCAGCCGATCCGAGGGATGGGCATGAAGTCTCCAGAG
 CTGCTGCTGCTGGTAGAAAAGTGTCCCAAGGGGGCAGAGACGCTGGTACCCTGCCTGCACAGCCTCA
 CCGACAAAGTGCCACCATCCCCAGAAGTGGTGAAGCGGGTCCGAGACCTGTACCACAAACGGCTGCCTGA
 TGTGCGCTTCTCATCCCGTGCTCAATGGGTTGGAGAAGAAAGAGGTGATCCAGGCGCTGCCAAAGCTC
 ATCAAACCAACCCCATTTGGTGAAGGAAGTCTTCAACCGCCTGCTAGGCACTCAGCACGGTGAGGGGA
 ACTCGGCCTGTCCCTTGAATCCAGGAGAGCTGCTGATTGCATTGCACAATATTGACTCTGTGAAGTG
 TGACATGAAGTCCATCATCAAAGCCACCAACCTGTGTTTTGCGGAGCGGAATGTGTACACGTGCGAAGTG
 CTAGCTGTGGTGTGATGCAGCAGCTGATGGAGCAAAGCCCTGCCCATGCTGCTCATGCGGACCGTATCC
 AGTCCCTACCATGTACCCCGCCTGGGGGCTTCGTGATGAACATCCTGGCCCGACTCATCATGAAGCA
 GGTATGGAAGTACCCCAAGGTATGGGAGGGCTTCATCAAGTGTGCCAGCGCACCAAGCCACAGAGTTTC
 CAGGTATCCTGCAGTACCTCCACAGCAGCTTGCGCAGTCTTTGACAAGTGCCCTGAGCTCCGGGAGC
 CACTGTTGGCCATGTGCGCTCCTTCACTCCCCACCAGCAAGCACACATCCCAACTCCATCATGACCAT
 CCTGGAGGCCACTGGAAGCAGGAGCCCGAAGTCAAGGAAGCACCTTCAGGGCCCTGGAAGAGGATGAC
 CTGGAGCCCTTGCTCTGGCTTTGGCCCGGCTCCGGCCCGGCCCCGGCCCTGCCCCACGGC
 CCCCTCAGGACCTCATCGCCTGCGATTGGCTCAGGAGAAGGCCCTGAAGAGGCAGCTGGAGGAGGAACA
 GAAGCAGAAGCCACAGGCATCGGAGCGCCGCTGCCTGTGTGCTCAACGCCCTCGGTGCCAGCAGCA
 GCCCGAGCTGGGCCACCCAGCTGAGGAGGTGATGGAATACCGGGAGGAGGGTCCGAATGCGAGACCC
 CGGCCATCTTATCAGCATGGACGACGACTCGGGGCTGGCTGAAACCACACTGCTGGACTCTAGTCTCGA
 GGGGCCCTGCCTAAGGAGGCAGCAGCTCGGGTTCGAGCTCAAAGGATGAGCGGAGCCCCAGAACCTC
 AGCCATGCTGTGGAAGAAGCCTTGAAGACCTCCAGCCAGAAACCAGGGAACCCGAGAGCAAGGGGAACA
 GC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211888 representing BC049852
 Red=Cloning site Green=Tags(s)

MASSSGDSVTRRSVASQFFTQEEGPSIDGMTTSERVVDLLNQAALITNDSKITVVKQVQELIINKDPTLL
 DNFLDEIIAFQADKSIEVRKFKVIGFIEEACKRDIELLLKLIANLMLLRDENNVVVKAILTMTQLYKVA
 LQWMVKSRVISDLQEACWDMVSSMAGEIILLSDNDGIRTHAIKFVEGLIVTLSPRMADSEVPRRQEH
 ISLDRIPRDHPYIQYNVLWEEGKAQVEQLLKFVHPAIISSINLTTALGSLANIARQRPFMFSEVIQAYET
 LHANLPPTLAKSQVSSVRKNLKLHLLSVLKHPASLEFQAQITTLVLDLGTQAEIARNMPPSKDSRKRPR
 DDTDSTLKKMKLEPNLGEDDEDKLEPGPSGTSKASAQISGQSDTDITAEFLQPLLPDNLVNLVLSMV
 YLPETMPASFQAIYTPVESAGTEAQIKHLARLMTQMTAAGLGPVVEQTKQCKEPEKEEVVVKPESVLIK
 RRLSVQQAISVVGSSQSTMSPLEEEVPAKRRPEPIIPVTQPRLAGAGGRKKIFRLSDVLKPLTDAQVEA
 MKLGAVKRILRAEKAVACSGAAQVRIKILASLVTQFDSGFKAEVLSFILEDVRARLDLAFWLYQEYNAY
 LAAGTSGTLDKYEDCLICLLSGLQEKPDQKDGIFTKVLEAPLITESALEVIRKYCEDESRAYLGMSTLG
 DLIFKRPSRQFQYLHVLDDLSSHEKDRVRSQALLFIKRYEKEQLREYVEKFAFNLYQLLVHPNPPSVLF
 GADKDTEVAAPWTEETVKQCLYLALLPQNHKLIHELAAVYTEAIADIKRTVLRVIEQPIRGMGMNSPE
 LLLLVENCPKGAETLVTRCLHSLTDKVPSPSELVKKRVRDLYHKRPLDVRFLIPVLNGLKKEVIQALPKL
 IKLNPIVYKEVFNRLLGTQHGEENSALSPNPGELLIALHNIDSVKCDMKSIKATNLCFAERNVYTSEV
 LAVVMQQLMEQSPLMMLMRTVIQSLTMYPRLLGGFVMMILARLIMKQVWKYPKVWEGFIKCCQRTKPSF
 QVILQLPPQQLGAVFDKCPREPLLAHVRSFTPHQQAHPNSIMTILEATGKQEPVEKAPSGPLEEDD
 LEPLALALAPAPAPAPAPAPRPPQDLIGRLAQEKALKRQLEEEQKQKPTGIGAPAACVSSTPSVPA
 ARAGPTPAEEVMEYREEGPECETPAIFI SMDDDSGLAETLLDSSLEGPLPKEAAAVGSSSKDERSPQNL
 SHAVEEALKTSSPETREPEKSGNS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

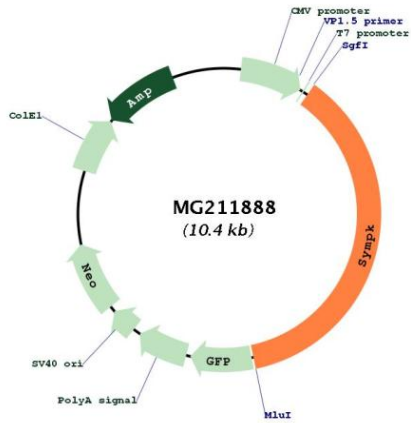


ACCN: BC049852

ORF Size: 3852 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:	BC049852.1
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]

Product images:



Circular map for MG211888