

## Product datasheet for MR217696

### Synj1 (NM\_001045515) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Synj1 (NM_001045515) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Synj1
Synonyms:	A930006D20Rik; AA675315; mKIAA0910
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217696 representing NM_001045515 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTTCAGCAAAGGATTTGGAATCTACCACAAATTGGATCCCCACCGTTCAGCCTCATAGTGAAA  
CTAGGCATAAGGAAGAATGTCTCATGTTGAGTCTGGGGCTGTGGCTGTGCTCTCATCTGCAGAAAAGGA  
GGCTATTAAGGCACATATGCCAAAGTACTGGATGCATACGGACTTTTGGGAGTTTACGATTAATCCT  
GGTGATACCATGCTGCACTATCTGGTCTAGTCACTGGATGCATGTCTGTGGGAAAAATCCAAGAATCTG  
AAGTTTTCCGAGTTACTTCCACTGAGTTTATATCATTGCGAGTTGATGCTTCAGATGAGGACCGCATTTC  
GGAAGTACGAAAAGTTTTGAACTCGGAAACTTTTATTTGCATGGTCTGCATCTGGAGTCAGCTTAGAT  
CTGAGTCTGAATGCACATCGAAGCATGCAAGAGCACACAACCGACAATAGGTTTTTCTGGAATCAGTCTC  
TGCAATTTGCATCTCAAGCACTATGGTGTGAACTGCGATGACTGGTTATTACGGCTCATGTGTGGGGAGT  
AGAGATTAGAACCATTTATGCTGCCATAAACAGGCAAAAGCTTGCCCTCATCTCAAGACTAAGCTGTGAA  
CGAGCTGGGACAAGGTTCAATGTCCGGGAACCAACGATGATGGTCATGTTGCCAACTTTGTAGAGACAG  
AGCAGGTATATACTTAGATGACTGTGTCTTCTTCCATACAAAATCCGAGGATCTGTTCCATTGTTCTG  
GGAGCAACCAGGGTTGCAAGTGGGATCCCATCGTGTTCGTATGTCAAGGGGATTTGAAGCCAATGCGCCT  
GCCTTTGACAGGCATTTCCGAACACTTAAGGACTTATATGGTAAACAGATAGTAGTGAATCTGCTGGGT  
CTAAGGAAGGCGAGCATATGCTGAGCAAGGCTTCCAGAGTCATTTAAAAGCCTCTGAACACGCTTCTGA  
TATCCACATGGTGTCTTTTACTATCATCAAATGGTTAAAGGAGGAAAGGAGGAAAAACTACACAGTATT  
CTCAAACCACAAGTCCAGAAGTTTCTAGATTATGGATTTTTTATTTTCGATGGCAGTGAAGTTCAAAGGT  
GCCAGAGTGGTACAGTTCGAACAACTGCTGGATTGTCTGGATAGAACAAATAGTGTGCAGGCATTCTC  
TGGCTTAGAGATGCTCGCTAAGCAGCTGGAAGCTCTGGGCTTGGCTGAGAAGCCTCAGCTGGTGACCCGC  
TTCCAAGAAGTTTTCCGGTCCATGTGGTCTGTGAATGGCGACTCAATCAGTAAAAATATGCAGGCACCG  
GGGCCCTGGAAGGAAGCCAAGTTAAAAGATGGTGCAGATCTGTCAACAGAACCATCCAGAATAACTT  
CTTCGACAGCTCAAGCAGGAAGCCATTGATGTCTGCTCCTGGGAAATACTCTCAACAGCGATTAGCT



GACAAAGCCCGAGCGCTTCTAACTACTGGAAGTTTGCCTGTTTCTGAACAGACATTACAGTCAGCATCTT  
CCAAAGTCTTAAAGAACATGTGTGAGAACTTCTACAAATACTCAAAGCCCAAGAAGATCCGAGTGTGTGT  
TGGCACCTGGAATGTGAACGGCGGGAAGCAGTTCGCGAGCATAGCGTTCAAGAACCAGACGCTCACAGAC  
TGGCTTCTGGACGCTCCAAGTTAGCCGGCATCCAGGAGTTTCAAGATAAGAGAAGTAAGCCAACCTGATA  
TATTTGCAATTGGCTTTGAAGAAATGGTGGAGCTGAATGCTGGGAACATTGTGAATGCAAGCACAACCAA  
CCAGAAGCTGTGGCAGTGGAGCTGCAGAAGACCATCTCCAGGGACAACAAGTATGCTCTGCTGGCCTCG  
GAGCAGCTGGTGGGTGTCTGCCTGTTTGTCTTTATCAGACCACAGCAGCTCCTTTTATCAGGGATGTTG  
CAGTTGATACTGTGAAAACCTGGCATGGGAGGTGCAACTGGAAACAAGGGCGCCGTTGCAATTCGGATGCT  
CTTCCACACCACCAGCCTTTGCTTCGTCTGCAGCCACTTTGCTGCAGGGCAGTCCCAAGTCAAAGAGAGA  
AATGAAGATTTTGTAGAAATAGCACGAAAACCTGAGTTTCCCCATGGGACGAATGCTCTTCTCCCATGACT  
ATGATTTTTGGTGTGGTATTTCAACTATCGAATTGACCTTCCGAATGAAGAGGTTAAAGAGCTCATAAG  
ACAACAAAACCTGGGATTCTGTATCGTGGGATCAGCTCATCAACCAGAAAAATGCAGGACAGATCTTT  
AGAGGATCTTAGAGGGAAAAGTAACGTTTGTCCAACCTATAAATATGACTTGTTTTCTGAAGACTATG  
ACACCAGTGAGAAGTGTGCACCCCTGCTTGGACAGACCGTGCCTCTGGAGAAGGAGGAAGTGGCCTTT  
TGACAGATCAGCTGAAGATTTAGATCTCCTGAATGCTAGTTTCCAAGATGAAAGTAAAATCTTTATACA  
TGGACCCCTGGCACCTTGTCTGCACTATGGAAGAGCCGAGCTGAAGACTTCTGACCATAGGCCCGTGTG  
CCTTGATTGACATAGATATATTTGAAGTTGAAGCTGAAGAGAGACAAAAATTTATAAAGAAGTTATTGC  
CGTCCAGGGCCCACCAGATGGCACAGTGTGGTCTCAATCAAAGTTCTGCACAAGAAAGTACTTTTTTT  
GATGATGCTTTGATTGATGAGCTTCTGCGGCAGTTTGCACACTTTGGTGAAGTTATACTCATAAGATTTG  
TAGAAGATAAAATGTGGGTTACATTTTTGGAGGGAAGCTCTGCCTTGAATGCTCTGAGCCTAAATGGGAA  
AGAGCTATTAATCGGACTATAACAATTACTTTAAAAAGTCCAGACTGGATCAAACATTTGGAAGAAGAG  
ATGAGTTTAGAGAAAATCAGTGTACGTTGCCCTCATCAGCAAGCTCCACCCTGCTTGGTGAAGACGCAG  
AGGTCGCAGCAGACTTTGACATGGAAGGTGACGTGATGACTACAGCGCTGAAGTAGAGGAGCTTCTTCC  
TCAGCATCTGCAGCCGTCTCAAGTTCTGGCCTGGGCACTTCTCCAAGTTCTTCACCCCGACCAGTCCC  
TGCCAGTCCCCACAGTACCAGAGTACTCCGCCCTTCTCTTCCATCAGACCTAGCCGAGCACCCTCAA  
GAACTCCAGGACCTCAAAGTTTCGCAGGGCTCTCCAGTTGACACTCAGCCAGCGGCCCAGAAGGATCTTC  
CCAGACTCTAGAGCCCAAGAGACCACCCCTCCCCGCCAGTCGCTCCTCCGGCACGTCCTGCCCAACA  
CAGAGACCACCTCCACCTCAGGGGCTAGGAGTCTGCGCCTGCTAGAAAAGAATTTGGAGGTGTTGGAG  
CCCCTCCAGTCCCGGGTGTAGGAGAGAGATAGAAGCACCCAAAAGCCCTGGAACAGCACGGAAGA  
TAATATAGGGCGTAATCAGCCTCCCTCAAGCCGGACTTGACAGGCCAGGACCCGCTGGATACGGTGCG  
GCTAGACCGACAATTCAGCTCGTGTGGAGTATCAGCGCCCTCAGAGCCAGGCTCGGGTATGTGCTG  
GAAGGCCGACTCCTGACAGCCAAAGCAAGCCCTCGGAGACATTGAAAGTCTGCTGTCTTCCAGAACC  
ACTGAAGCCTCAGGCTGCATTTCTCAGCAGCCTTCTCTGCCACACCTGCTCAAAGTTACAGGACCCG  
CTTGTCCCATAGCAGCACCTACTATGCCTCCCTCTGGCCCCAACCAAAATTTGGAACCCCCCACAGC  
CCCCACCTCGGAGCAGGTATCTCAAAGCTTGCCTCAGACTCCTCACCACAGCTGCAGCAGGAGCAACC  
AACAGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217696 representing NM\_001045515  
 Red=Cloning site Green=Tags(s)

MAFSKGFRIYHKLDPPPFSLIVETRHKEECLMFESGAVAVLSSAEKEAIKGTYAKVLDAYGLLGVLRLNL  
 GDTMLHYLVLTGCMSSVGKIQESEVFRVTSTEFISLRVDASDEDRISEVRKVLNSGNFYFAWSASGVSLD  
 LSLNAHRSMQEHTTDNRFFWNQSLHLHLKHYGVNCDWLLRLMCGGVEIRTIYAAHKQAKACLISRLSCE  
 RAGTRFNVRGTNDGDGHVANFVETEQVIYLDCCVSSFIQIRGSVPLFWEQPLQVGSHRVMSRGFEANAP  
 AFDHRFRTLKDLYGKQIVVNLGSGEHEMLSKAFQSHLKASEHASDIHMVSFDYHQMVKGKAEKLSI  
 LKPQVQKFLDYGFFYFDGSEVQRCQSGTVRTNCLDCLDRTNVQAFGLGLEMLAKQLEALGLAEKPQLVTR  
 FQEVFRSMWSVNGDSISKIYAGTGALEGKAKLKDARSVRTIQNNFFDSSKQEAIDVLLGNTLNSDLA  
 DKARALLTTGSLRVSEQTLQSASSKVLKNMCENFYKYSKPKKIRVCVGTWVNVGGKQFRSIAFNQTLTD  
 WLLDAPKLAGIQEFQDKRSKPTDIFAIGFEEMVELNAGNIVNASTTNQKLWAVELQKTI SRDNKYVLLAS  
 EQLVGVCLFVFI RPHAFPI RDVAVDTVKTMGGATGNKGAVAIRMLFHTTSLCFVCSHFAAGQSQVKER  
 NEDFVEIARKLSFPMGRMLFSDHYVFWCGDFNYRIDLPNEEVKELIRQQNWDSL IAGDQLINQKNAGQIF  
 RGFLGKVTFAPTYKYDLFSEDYDTSEKCRTPAWTDRVLWRRRKWPFDRSAEDL DLLNASFQDESKILYT  
 WTPGTL LHYGRAELKTS DHRPVVALIDIDIFEVEAEERQKIYKEVIAVQGPDPGT VLVSIKSSAQESTFF  
 DDALIDELLRQFAHFGEVILIRFVEDKMVWTFLEGSSALNALSLNGKELLNRTITITL KSPDWIKHLEEE  
 MSLEKISVTL PSSASSTLLGEDAEVAADFMEGDVDDYSAEVEELLPQHLQ PSSSSGLTSPSSSPRTSP  
 CQSPTVPEYSAPSLPIRPSRAPSRTPGPPSSQGS PVDTPAAQKDSQTLEPKRPPPPRPVAPPARPAPP  
 QRPPPPSGARSPAPARKEFGGVGAPPSPGVARREIEAPKSPGTARKDNIGRNQPSQAGLAGPGPAGYGA  
 ARPTIPARAGVISAPQSQARVCAGRPTPDSQSKPSETLKGPAVLPEPLKPAQAAFPPQPSLPTPAQKLQDP  
 LVPIAAPTMPSPSGPQPNLETPPQPPPRSRSSQSLPSDSSPQLQQEQPTG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja1206\\_g11.zip](https://cdn.origene.com/chromatograms/ja1206_g11.zip)

Restriction Sites: SgfI-MluI

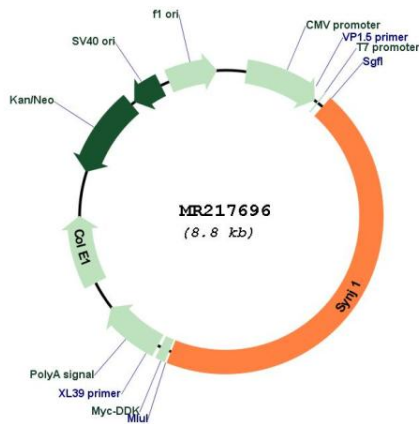
Cloning Scheme:



ACCN: NM\_001045515

ORF Size: 3927 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>	<u>NM_001045515.1, NP_001038980.1</u>
<b>RefSeq Size:</b>	7012 bp
<b>RefSeq ORF:</b>	3930 bp
<b>Locus ID:</b>	104015
<b>Cytogenetics:</b>	16 C3.3
<b>MW:</b>	145 kDa

**Product images:**


Circular map for MR217696