

Product datasheet for **MG218797**

Synj1 (NM_001164483) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Synj1 (NM_001164483) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Synj1
Synonyms: A930006D20Rik; AA675315; mKIAA0910
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218797 representing NM_001164483
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGAAGAGCTGGACCTGCTGGAGCGGAAGTGACGCTTCGGGCGGCTGTAGCGCGGAGGCTGCGGGA
GAAGGAGGAGGAGGCCGGAGGAAGAGGGCTGCCTCTGAAGAAAGGAGAATGGCGTTTCAGCAAAGGATT
TCGAATCTACCACAAATTGGATCCCCACCGTTCAGCCTCATAGTGAAACTAGGCATAAGGAAGAATGT
CTCATGTTTCGAGTCTGGGCTGTGGCTGTGCTCTCATCTGCAGAAAAGGAGGCTATTAAGGCACATATG
CCAAAGTACTGGATGCATACGGACTTTTGGGAGTTTTACGATTAATCTTGGTGATACCATGCTGCTACTA
TCTGGTCCTAGTCACTGGATGCATGTCTGTGGGAAAATCCAAGAATCTGAAGTTTTCCGAGTTACTTCC
ACTGAGTTTATATCATTGCGAGTTGATGCTTCAGATGAGGACCGCATTTCCGGAAGTACGAAAAGTTTTGA
ACTCGGAAACTTTTATTTTGCATGGTCTGCATCTGGAGTCAGCTTAGATCTGAGTCTGAATGCACATCG
AAGCATGCAAGAGCACACAACCGACAATAGGTTTTTCTGGAATCAGTCTCTGCATTTGCATCTCAAGCAC
TATGGTGTGAAGTGCATGACTGGTTATTACGGCTCATGTGTGGGGAGTAGAGATTAGAACCATTTATG
CTGCCCCATAAACAGGCAAAAGCTTGCCATCTCAAGACTAAGCTGTGAACGAGCTGGGACAAGGTTCAA
TGTCGGGGAACCAACGATGATGGTCAATCCGAGGATCTGTTCCATTTGAGAGACAGAGCAGGTTATATACTTAGAT
GACTGTGCTCTTCCCTTACATAAATCCGAGGATCTGTTCCATTTGAGAGCAACCAAGGTTGCAAG
TGGGATCCCATCGTGTTCGTATGTCAAGGGGATTTGAAGCCAATGCGCCTGCCTTTGACAGGCAATTTCCG
AACACTTAAGGACTTATATGGTAAACAGATAGTAGTGAATCTGCTTGGGCTAAGGAAGGCGAGCATATG
CTGAGCAAGGCTTTCCAGAGTCATTTAAAAGCCTCTGAACACGCTTCTGATATCCACATGGTGTCTTTTG
ACTATCATCAAATGGTTAAAGGAGGAAAGGCAGAAAAACTACACAGTATTCTCAAACCACAAGTCCAGAA
GTTTCTAGATTATGGATTTTTTATTTTCGATGGCAGTGAAGTTCAAAGGTGCCAGAGTGGTACAGTTCGA
ACAACTGCTTGGATTGTCTGGATAGAACAATAGTGTGCAGGCATTCTTGGCTTAGAGATGCTCGCTA
AGCAGCTGGAAGCTCTGGGCTTGGCTGAGAAGCCTCAGCTGGTGACCCGCTTCCAAGAAGTTTTCCGGTC
CATGTGGTCTGTGAATGGCGACTCAATCAGTAAAATATATGCAGGCACCGGGCCCTGGAAGGGAAGGCC



[View online »](#)

AAGTTAAAAGATGGTGC GCGATCTGT CACCAGA ACCATCCAGAATAACTTCTTCGACAGCTCCAAGCAGG
AAGCCATTGATGTCTGCTCTGGGAAATACTCTCAACAGCGATTTAGCTGACAAAGCCCAGCGCTTCT
AACTACTGGAAGTTTGC GTGTTTCTGAACAGACATTACAGTCAGCATCTTCCAAAGTCTTAAAGAACATG
TGTGAGAACTTCTACAAATACTCAAAGCCCAAGAAGATCCGAGTGTGTGTTGGCACCTGGAATGTGAACG
GCGGGAAGCAGTCCGCAGCATAGCGTTCAAGAACCAGACGCTCACAGACTGGCTTCTGGACGCTCCCAA
GTTAGCCGGCATCCAGGAGTTTCAAGATAAGAGAAGTAAGCCAAC TGATATATTTGCAATTGGCTTTGAA
GAAATGGTGGAGCTGAATGCTGGGAACATTGTGAATGCAAGCACAAACCAACCAGAAGCTGTGGGCAGTGG
AGCTGCAGAAGACCATCTCCAGGGACAACAAGTATGTCCTGCTGGCCTCGGAGCAGCTGGTGGGTCTG
CCTGTTTGTCTTTATCAGACCACAGCACGCTCCTTTTATCAGGGATGTTGCAGTTGATACTGTGAAAAC T
GGCATGGGAGGTGCAACTGGAACAAGGGCGCCGTTGCAATTCGGATGCTCTTCCACACCACCAGCCTTT
GCTTCGTCTGCAGCCACTTTGCTGCAGGGCAGTCCCAAGTCAAAGAGAGAAATGAAGATTTTGTAGAAAT
AGCACGAAAAC T GAGTTTCCCATGGGACGAATGCTCTTCTCCATGACTATGTATTTGGTGTGGTGAT
TTCAACTATCGAATTGACCTCCGAATGAAGAGGTTAAAGAGCTCATAAGACAACAAAAC TGGGATTCTC
TGATCGCTGGGGATCAGCTCATCAACCAGAAAAATGCAGGACAGATCTTTAGAGGATTCTTAGAGGGAAA
AGTAACGTTTGTCCAACCTATAAATATGACTTGT TTTCTGAAGACTATGACACCAGTGAGAAGTGTGCG
ACCCCTGCTTGGACAGACCGTGTCTCTGGAGAAGGAGGAAGTGGCCTTTTGACAGATCAGCTGAAGATT
TAGATCTCCTGAATGCTAGTTTCCAAGATGAAAGTAAAATTTCTTTATACATGGACCCCTGGCACCTTGCT
GCACTATGGAAGAGCCGAGCTGAAGACTTCTGACCATAGGCCCGTCGTTGCCTTGATTGACATAGATATA
TTTGAAGTTGAAGCTGAAGAGAGACAAAAAATTTATAAAGAAGTTATTGCCGTCCAGGGCCACCAGATG
GCACAGTGTGGTCTCAATCAAAGTTCTGCACAAGAAAGTACTTTTTTGTATGATGCTTTGATTGATGA
GCTTCTGCGGCAGTTTGCACACTTTGGTGAAGTTATACTCATAAGATTTGTAGAAGATAAAATGTGGGT
ACATTTTTGGAGGAAGCTCTGCCTTGAATGCTCTGAGCCTAAATGGGAAAGAGCTATTAATCGGACTA
TAACAATTACTTTAAAAAGTCCAGACTGGATCAAACATTTGGAAGAAGAGATGAGTTTAGAGAAAATCAG
TGTACAGTTGCCCTCATCAGCAAGCTCCACCCTGCTTGGTGAAGACGCAGAGGTCGCAGCAGACTTTGAC
ATGGAAGGTGACGTGATGACTACAGCGCTGAAGTAGAGGAGCTTCTTCTCAGCATCTGCAGCCGCTCT
CAAGTTCTGGCCTGGGC ACTTCTCCAAGTTCTTCAACCCGGACCAGTCCCTGCCAGTCCCCACAGTACC
AGAGTACTCCGCCCTTCTCTTCCCATCAGACCTAGCCGAGCACCCTCAAGAACTCCAGGACCTCCAAGT
TCGCAGGGCTCTCCAGTTGACACTCAGCCAGCGGCCAGAAAGATTCTTCCAGACTCTAGAGCCCAAGA
GACCACCCCTCCCGCCAGTCGCTCCTCCGGCACGCTCTGCCACCACAGAGACCACCTCCACCTTC
AGGGGCTAGGAGTCTGCGCTGCTAGAAAAGAATTTGGAGGTGTTGGAGCCCTCCAGTCCCGGGGT
GCTAGGAGAGAGATAGAAGCACCCAAAAGCCCTGGAACAGCACGGAAGATAATATAGGGCGTAATCAGC
CTTCCCTCAAGCCGACTTGCAGGCCAGGACCCGCTGGATACGGTGGGCTAGACCGACAATTCAGC
TCGTGCTGGAGTGATCAGCGCCCTCAGAGCCAGGCTCGGGTATGTGCTGGAAGGCCGACTCTGACAGC
CAAAGCAAGCCCTCGGAGACATTGAAAGGTCTGCTGTCTTCCAGAACCCTGAAGCCTCAGGCTGCAT
TTCTCAGCAGCTTCTCTGCCACACCTGCTCAAAGTTACAGGACCCGCTTGTCCCATAGCAGCACC
TACTATGCCTCCCTCTGGCCCCAACCAAAATTTGGAAACCCCCACAGCCCCACCTCGGAGCAGGTCA
TCTCAAAGCTTGCTT CAGACTCCTCACCACAGCTGCAGGTA AAAATAAATGGCATTCTGGTGTCAAAC
AAGAGCCAACATTGAAGAGTGACCCATTTGAAGATCTCTACTTAGTGTGCTTGTGTATCAAAGGCTCA
GCCTTCTGTT CAGATTTACCTGTTCTAACCCAGACCCAAAGATGTTGATTGATTGCTTCTGCATCG
CAAAGTCAAGTTAACCTTTGAGTTCTGTAAAGTTGCATGCCAACCAAGCCCTCCAGTCCAGAGGAAAGCA
AGTCACAGGAGAGTATGGGCAGTTCTGCAAAACCGTTTCCAGCCTGCCCTGCCGGAACCTTTTACAGA
CAGGACTGCTGCCCTGGAAACCAATTTAGAGTTCAGTCCCAAGAATCAGAGGCAACTTCTTGGCTCTCC
AAAGAAGAGCCTGTTCCCAACAGTCCCTTCCCTCTCATGCCTCTCAGTCATGACACGAGCAAGGCTT
CAAGTTCGCTTGGTGGCTTTGAGGACAATTTGATCTGCAGAGCCAGTCTACAGTAAAAACAAGCAACCC
CAAAGGATGGGTAACTTTGACGAAGACGACAAC TTTCTACAACAGGAAAGTCAAAGTCAGTTTGTCCA
GACTTAGTGGGTAAACGCGCCAGCTTCATTTGATGATGACTGGAGTAAAGGTGCGAGCGTTTCTTTCTGTG
TGTTGCCAGCCAGAAGGCCACCACCACCACCTCCTGTCCCTGCTACCACCTGGCACAACCTCATC
TGCAGGACCTAGCACAAACCTGCCATCTAAGGCACCTTCCACATTGGACTTCACGAAAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218797 representing NM_001164483
 Red=Cloning site Green=Tags(s)

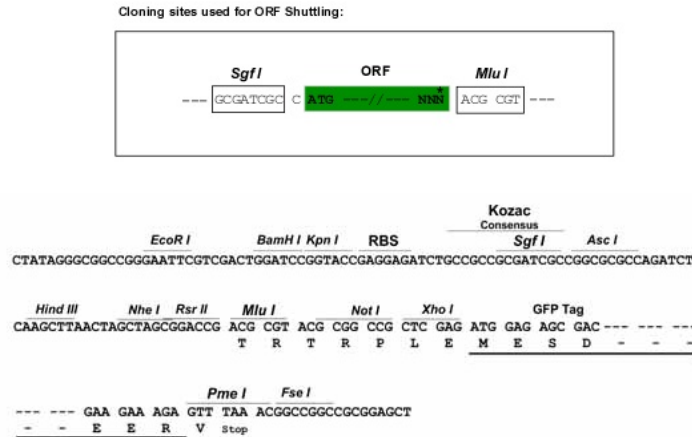
```
MRKSWTCWSGSDASGGCSGGGCGRRRRRSRRKRAASEERRMAFSKGFRIYHKLDPPPFSLIVETRHKEEC
LMFESGAVAVLSSAEKEAIKGTYAKVLDAYGLLGVRLNLGDTMLHYLVLVTGCMSSVGGIQQESEVFRVTS
TEFISLRVDASDEDRISEVRKVLNSGNFYFAWSASGVSLDLNLNAHRSMQEHHTDNRFFWNQSLHLHLKH
YGVNCCDDWLLRLMCGGVEIRTIYAAHKQAKACLISRLSCERAGTRFNVRGTNDGDGHVANFVETEQVIYLD
DCVSSFIQIRGSVPLFWEQPLQVGSRVRMSRGFEANAPAFDRHFRTLKDLYGKQIVVNLGSGKEGHEM
LSKAFQSHLKASEHASDIHMVSFDYHQMVKGGKAEKLSILKPQVQKFLDYGFFYFDGSEVQRCQSGTVR
TNCLDCLDRNTSVQAFLEMLAKQLEALGLAEKPQLVTRFQEVFRSMWSVNGDSISKIYAGTGALEGKA
KLKDGARSVTRTIQNFFDSSKQEAIDVLLGNTLNSDLADKARALLTTGSLRVSEQTLQSASSVKLKNM
CENFYKYSKPKKIRVCVGTWNVNGGKQFRSIAFKNQTLTDWLLDAPKLAGIQEFQDKRSKPTDIFAIQFE
EMVELNAGNIVNASTTNQKLWAVELQKTSRDNKYVLLASEQLVGVCLFVFIQPHAPFIRDVAVDTVKT
GMGGATGNKGAVAIRMLFHTTSLCFVCSHFAAGQSQVKERNEDFVEIARKLSFPMGRMLFSDHYVFWCGD
FNYRIDLPNEEVKELIRQQNWDLSIAGDQLINQKNAGQIFRGLFEGKVTFAPTYYDLFSEDYDTSEKCR
TPAWTDRVLRWRRRKWPFDRSAEDLDLLNASFQDESKILYTWTPTGTLHYGRAELKTSDRHPVVALIDIDI
FEVEAEERQKIYKEVIAVQGGPPDGTVLVSIKSSAQESTFFDDALIDELLRQFAHFGEVILIRFVEDKMWV
TFLEGSSALNALSLNGKELLNRTITITLSPDWIKHLEEMSLKISVTLPSASSTLLGEDAEVAADF
MEGDVDDYSAEVEELLPQHLQPSSSSGLTSPSSSPTSPCQSPVPEYSAPSLPIRPSRAPSRTPGPPS
SQGSPVDTQPAQKQDSSQTLQPKRPPPPRPVAPPARPAPPQPPPPSGARSPAPARKEFGGCVGAPPSPGV
ARREIEAPKSPGTARKDNIQRNQPSPQAGLAGPGPAGYGAARPTIPARAGVISAPQSARVCAGRPTPDS
QSKPSETLKGPAVLEPLKQAAFPQPSLPTPAQKLQDPLVPIAAPTMPSPGQPNLETPPQPPPRSRS
SQSLPSDSSPQLQVKINGISGVKQEPTLKSDFEDLSVLAVSKAQPSVQISPLVTPDPKMLIQLPAS
QSQVNPLSSVSCMPTRPPGPEESKQSESMGSSANPFPPLPCRNPFTDRTAAPGNPFRVQSQSEATSWLS
KEEPVNPSPFPPLMPLSHDTSKASSSLGGFEDNFDLQSQSTVKTSNPKGWVTFDEDDNFPPTTGKSKSVCP
DLVGNAPASFDDWSKASVSFCVLPARRPPPPPPVPLLPPTGSSAGPSTTLPSKAPSTLDFTER
```

TRTRPLE - GFP Tag - V

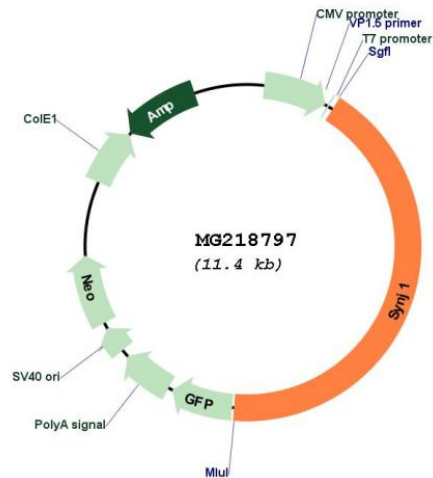
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164483

ORF Size: 4821 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:

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_001164483.1](#), [NP_001157955.1](#)

RefSeq Size: 7085 bp
RefSeq ORF: 4824 bp
Locus ID: 104015
Cytogenetics: 16 C3.3