

## Product datasheet for **RC225919**

### **INSYN2B (NM\_001129891) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	INSYN2B (NM_001129891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INSYN2B
Synonyms:	C5orf57; FAM196B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC225919 representing NM\_001129891  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCCAGCAAATATGAAAGTGAGACCTGTGCTTCTAAAGCGTAACAGTCTAGAATCAGTGGAGTTTG  
 TGAACAACCTCACACCACGAGGAGCAAATCCCAGCAGGTGAGATTCAAGGAAGATGGGACCACTAAGAA  
 TCCAACCTGGCCTAGCTGAGGTTGACGTCCAAACTCCAGAAGACCCGGCTGTGATGGGGAAGACTCAAGCA  
 ACCAGGCACCATCTCCCCCACCTACTCGCTCTCCTCCCCAGGTCCCAGAAGCAGGGGGCTTTCGCA  
 ACATTGCAATCCAAACTCCCCAGTCTCAGGAAGCATTCCCAGTTTTCAAAGGAAGAGACTCACAGC  
 CAGTAAGTCCCTGGTGGAAATGCCAACAGCCTCCAAAGTGCCATCCAGGTCAACGGTAACCTCTCTGAA  
 CAGGACATTGTGCTTCTGACCTTGCTACTTAAGGTTGGCTCAGCATCTTGAGGATGGGCTCGAAGGG  
 TCAAGGTGTCCATGCATTCTCCCAAGGGTCCCAAGGTCAAAGCAATGGTCTGTAGCATATGCTT  
 GGAAGCAGAACTTGGAGTCTTAGAGAAAGCCACAGCTGCCATTCAGGTTCCAGATGATATTTATCAC  
 AGTCCTTCTGGGAAGCTAGAGAGTCTGCTCTCAGCCCAGACAGGTGAGTGAAGTAAGTAACTCCATAC  
 ACCCTTTGGATGACACACGTCCAGGTGATGGGAGAAGGGTGACTCCACTAGATTCAGAAAAATCCACCTC  
 CTGCTTAAATGCCACCAGCGTTGCCAGCCACACACCAGGCACAGAGGAACCTAAACCTGAATTGCTTTTG  
 CCCAAAGACAACCTCAGATGACAAAGACCTTGGCTCACTGTCTCAGTCAAAGGAAACGTGTGTTCCCTT  
 CATCTCCACGGACTCACAGTCCCCCTCACAAGGCTCCCACAGCCAGCCAGCCACCCAGGAAGAGCCTC  
 AGACTGTCCTTCAAGTAACAATCACCAGAATCTGGTGTCACTCAAACCTAACAGTGCATCGAAATCT  
 GCCCTGGGTGTGAGGACAGACGGCAAACAACCCACCGAGTCAGACACACTGGAGTTTCAAATGTGTC  
 CAGGAAGTAATCATCTCCATCCTCTTTCAAGGAGTGAGACCAAACCTCAGAGCAACAGGGAGATTAG  
 TGACATTAATCAAATTCACCTGGCAGCGGGTGAACCTCTGCGACCTCCAAGGCCACTGCAATCTGTGGAG  
 GAATCTCTGCACTCGAACCAAGAGAAAAATTAAGTCTTTTGAATGTAATTCAAGACTTGGAGAAAGCTC  
 GAGCTCTCACTGAAGGGCGCAACTTTTATCGAACTGGCCAAGATCTCAACAATTGCACTCTGCCAGAA  
 CACGGCGTGCATCATATACAGTGTAGAGTATGATTTTCGCGCAGCAGGAAGGCAGGTTCCATGAAGTTTTG  
 CAGAGTCTGGAGGAAGCAGAGCCAGTTGAGGAGGCATCGCCCCACCAAAGTCCCAGCAGAAACCCCGAC  
 CCCCGAAAAGCAGGACTTAAGGCGAAAACCAAGAAGGTGAAAAAGAAATGCTTCTGGTGGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC225919 representing NM\_001129891  
 Red=Cloning site Green=Tags(s)

MAQQNMKVRPVLKRNLSVESFVKQPHHRRSKSQVRFKEDGTTKNPTGLAEVDVQTPEDPAVMGKTQA  
 TRHHLPPYSLSFPRSQKAGGFRNIAIQTSPSLRKHFPVFKRKRLTASKSLVEMPTASQSAIQVNGNLSE  
 QDIVSSDLAYLRLAQHLEDGPRRVKVSFAFLPRVPKVQSNPVSICLEAGTWRSLEKATAAIIQVPDDIYH  
 SPSWEARESALSPDRSAEVSNSIHPLDDTRPGDGRRTPLDSEKSTSCLNATSVASHTPGTEELKPELLL  
 PKDNSDDKDLGSLSSQSKETCVPSRPRTSSPSQGSQPAHPGRASDCPSSSNHQNLSLKTNSASKS  
 APGCQEQTANNPTESDTEFPNCPGSNHLPSLSRSETKLSNREISDINQIHLARGELCDLQGRLSQVSE  
 ESLHNSQEKIKVLLNVIQDLEKARALTEGRNFYRTGQDLNNCSTCQNTACIIYSVEYDFRQQEGRFHEVL  
 QSLEEAEPVEEASPPPKSPAEPPEPEKQDLRRKTKKVKKKCFWWI

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8034\\_d03.zip](https://cdn.origene.com/chromatograms/mk8034_d03.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001129891

**ORF Size:** 1605 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\\_001129891.3](#)

**RefSeq ORF:** 1608 bp

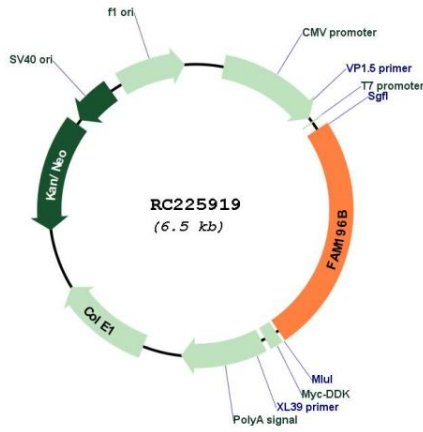
**Locus ID:** 100131897

**UniProt ID:** [A6NMK8](#)

**Cytogenetics:** 5q35.1

**MW:** 59 kDa

Product images:



Circular map for RC225919