

## Product datasheet for **RC230532**

### ZNF347 (NM\_001172674) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF347 (NM_001172674) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF347
Synonyms:	ZNF1111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC230532 ORF sequence, **codon optimized**.

Due to the complexity of NM\_001172674, the ORF clone is codon optimized for mammalian Expression.

The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGCTTTGACCCAAGGCCAGGTGACATTTGCGGATGTTGCAATCGAGTTTTCCACAAGAGGAGTGGACAT  
GCCTGGACCCCGCTCAGCGAACACTGTATCGCGACGTGATGCTGGAGAATTACCGCAACCTGGCCAGTCT  
GGCCGGATCAGCTGTTTGTACCTGTCTATAATCAGCATGCTGGAGCAGGGCAAAGGCCATTCAGTCTG  
GAATCCCAGGTGCAAAATCGCTGGAACCCCGACGGCTGGGAATGGATCAAGGCGGTGATTACAGCCCTGT  
CATCTGAGTTTGTGATGAAGGACCTTTGCACAAGGCAAGAGTAATACAGGGGAAGTATTCAGACTGT  
TATGCTGGAGAGCAGGAAAGCCAAAGATATCGAGGGATGAGCTTCAGGGAGGTTGAGAAAAATACACAT  
GGTCTGGAGTATCAGTCCCGCATGCTGAAGTAATTACAAAGGCGTATTGCTGACCCAGGAGGCAACC  
TGACCCACGGGCGCATGAGCAGCATAAGCGAGATGCCAGAAATAAATTATCAAGAACAGCTCGGCCT  
GTCTCTTCAGTCACACCTGCCAGAACTGCAGCTCTTCAATACGAAGGTAATAATTCAGAAATGCAATCAG  
GTCGAGAAGAGTTTCAATAATAACTCCAGCGTGAGCCCCCTCAACAAATGCCTTATAACGTAATAAACCC  
ACATTTCCAAGAAGTATCTCAAGGATTTTCATCTAGTCTCCTGCTCAGCCAAAGGCAAAAGGCAACAA  
TTGGGGAAGTCTTACAAAAGCAACGGGTGTGGAAATGGTCTTCCCTCAAAATTCATCTGGCATCTCAC  
CAGAGGAGTACACCAAGAAAGCCCTACAAATGCTATGAATGCGGGAAGGCTTCCGAACACGGAGCA  
ACCTGACACCCACCAAGTATCCACTGGCGAGAAAGATATAAATGCAATGAGTGGGAAAGGTGTT  
CTCAAGGAATCCCAGCTGTCTCAACATCAGAAAATCCACTGGGAAAAACCTTACAAGTGAATGAG  
TGTGGTAAGGTGTTCAACCAGAACTCACACTTGGTTCGCCATAGGGGTATTCAACTGGGGAAGCCGT  
ACAAGTGAATGAATGTGGGAAAGCCTTCCGCGCCGGTCTCTGGCGATACACCAGGCTACACACT  
TGGCGAAAAACCTATAAGTGAATGAGTGTGGAAAGTCTTACTCAGAACTCCCACTTGACTAACCC  
TGGCGCATCCACACCGCGAGAAACCATACAAGTGAATGAATGCGGCAAGGCATTGCGTGTGCGGAGTA  
GCCTGGCTATCCACTTGGTATCCATACGGGTGAAAAGCCATATAAATGCCAGAGTGTGTAAGGTCTT  
CCGCGGAATCCCACCTCGCTCGACATCAGCTGATTCACACAGGGGAGAAAGCCATAAGTGAACGAG  
TGGCGCAAGCCTTCCGCGCTCACTCCAATCTGACAACCTACCAAGTTATACACACCGGGGAGAAAGCCTT  
ATAAGTGAATGAATGTGGCAAAGTCTTCAACCAGAACTCACACCTGGCTAACACCAGCGGATCCACAC  
AGGTGTAACCAATACATGTGCAATGAGTGGCGTAAGGCCTCAGTGTTACTCCTCTGACCACTCAC  
CAGGTATCCATACAGGGGAGAAACCTTACAAATGCAACGAGTGTGGCAAAGTTTTTACTCAAAATTCAC  
ACCTGGCTCGGCACCGAGGCAATCACACAGGCGAGAAACCGTACAAGTGAATGAGTGGGAAAGGTATT  
CAGGCATAACAGCTACCTTTCCCGCCACCAACGGATCCCACTGGTGAAGCCATATAAATACAACGAA  
TACGGGAAGGGGTTTACGCGAGCACTTAACCTGACGACCCACAGGTTATTCACTGGCGAGAAAGCCCT  
ATAAGTGAACGAGTGTGGAAAGTTTTCCCAAACTCACACTGGCAAGACACCGCGAGTTCATAC  
AGGGGGAAACCATATCAGTGAACGAATGTGGCAAAGCCTTTTCTCAGACTTCAAAATGGCGAGGCAC  
CAAAGAGTCCATACAGGGGAGAAAGCCATACGAGTGAACCAATGCGGGAAGCCCTTCCGCGAGATCTA  
GCCTCACAAACATCAGGCTATTACACCGGTAAGAAACCTTACAAGTGAACGAGTGTGGCAAAGTTTT  
TACTCAAAACAGCATCTGGCAAGGCAACCGGGATACACACCGGCGAGAAAGCCATACAAGTGAATGAA  
TGGCGGAAGGCTTCTCCAAACCTCAAAATTTGGCGAGACATCAGAGAATCCATACAGGGGAAAAACCAT  
ACGAATGCGGTAAGCCTTTCTCAATTTGCGAGTCCCTGACCCCATCAGACCATACACACCGGAGGAAA  
GCCCTACAAGTGAACGTGTGGAAAGGTGCTGAAATCTGAGTTCAAGCCCTGAAGCCCTCACAAATAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230532 representing NM\_001172674  
 Red=Cloning site Green=Tags(s)

MALTQGGVTFRDVAIEFSQEWTCLDPAQRTL YRDVMLENYRNLASLAGISCFDL SIISMLEQGKEPFTL  
 ESQVQIAGNPDGWEWIKAVITALSSEFVMKDLLHKGKSNTEGEVFTVMLERQESQDIEGCSFREYQKNTH  
 GLEYQCRDAEGNYKGVLLTQEGNLTHGRDEHDKRDARNKLIKQNLGLSLQSHLPELQLFQYEGKIYECNQ  
 VEKSFNNSSVSPQMPYVVKTHISKYKDFISSLLLTQGGKANNWGSYPKSNCGMVFQNSHLASH  
 QRSHTKEKPYKCYECGKAFRTRSNLTTHQVIHTGEKRYKNECGKVF SRNSQLSQHQIHTGEKPYKCNE  
 CGKVFTQNSHLVRHRGIHTGEKPYKNECGKAFRARS SLAIHQATHSGEKPYKNECGKVFTQNSHLTNH  
 WRIHTGEKPYKNECGKAFGVRSSLA IHLVIHTGEKPYKCHECGKVFRRNSHLARHQLIHTGEKPYKCNE  
 CGKAFRAHNSLTTHQVIHTGEKPYKNECGKVFTQNSHLANHQRIHTGVKPYMCNECGKAFSVYSSLTTH  
 QVIHTGEKPYKNECGKVFTQNSHLARHRGIHTGEKPYKNECGKVFRRHNSYL SRHQRIHTGEKPYKYNE  
 YGKAFSEHNSLTTHQVIHTGEKPYKNECGKVFTQNSHLARHRRVHTGGKPYQCNECGKAFSQT SKLARH  
 QRVHTGEKPYECNQCGKAFSVRSSLTTHQAIHTGKKPYKNECGKVFTQNSHLARHRGIHTGEKPYKCNE  
 CGKAFSQT SKLARHQRIHTGEKPYECGKPF SICS SLTTHQTIHTGGKPYKCNVVKVLKSEFKPKPSQNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

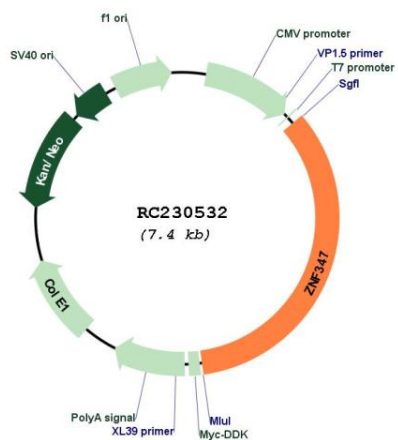
Cloning Scheme:



ACCN: NM\_001172674

<b>ORF Size:</b>	2520 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="#">NM_001172674.1</a> , <a href="#">NP_001166145.1</a>
<b>RefSeq Size:</b>	4565 bp
<b>RefSeq ORF:</b>	2523 bp
<b>Locus ID:</b>	84671
<b>UniProt ID:</b>	<a href="#">Q96SE7</a>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	95.8 kDa
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230532