

## Product datasheet for **RC216163**

### ZNF341 (NM\_032819) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF341 (NM_032819) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF341
Synonyms:	HIES3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC216163 representing NM\_032819  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCAGGCGATCTTTGAGGCCCTGGAGGGAATGGACAATCAGACCGTTCTGGCTGTCCAGTCATTAT  
 TGGATGGCCAAGGAGCAGTCCCTGATCCGACAGGCCAGAGTGCAATGCGCCCCCTGCTATCCAGCCATT  
 GGATGACGAGGATGTATTTCTCTGCGGGAAGTGAAGAAGCAATTCAACTCGCTGCCAGCGTTTATGACC  
 CACAAGCGGGAACAGTGCCAGGGGAATGCCCGCCCTGGCCACAGTCTCACTGGCCACCAACAGCATCT  
 ACCCACCTTCGGCAGCACCCACAGCGGTCCAGCAGGCCCAACTCCTGCCAATCGCCAGATCTCCACATA  
 CATCACAGTGCCCGCTCCCACTGATCCAGACCTGGTGACGGGAACATCTTGGTGAGCGATGATGTG  
 CTCATGTCTGCCATGTCAGCCTTACATCCCTGGACCAGCCATGCCAGGGCCCCCACCTGTGCAGA  
 GCAGCCTGAACATGCATTCCGTGCCAGCTACCTACCCAGCCTCCACCTCCTCCTCCACCTCCTCCACC  
 ACTGCCCCACCACCACCTCAGCCTCCACCACCTCCACCCAGAGCCTGGGCCCCCTGGGCGTCCC  
 AACCTGGTGGGAACGGTGTGGTGGAGGTGTACAGTGCTGCTGCGCCCCCTGGCTGGGAGTGGAAACGGTGG  
 AGATCCAGGCACTGGGGATGCAGCCCTACCCACCCCTAGAGGTGCCAAACAGTGTGTGGAGCCTCCAGT  
 ATATCCACCCCCACAGTGTACAGCCCTGGCAAACAGGGATTCAAACCCAAAGGACCAAAACCCCGCCGCC  
 CCCATGACCAGCGCCACCGGGGCACGGTGGCCACCTTTGACTCTCCAGCAACGCTGAAGACCCGACGAG  
 CTAAGCTGCAGGGAAGCCAAAGGCTCAGAAACTCAAGTGCTCATACTGTGACAAGTCATTACCAAAAA  
 CTTTGACTGCAGCAGCATCCGAAGCCACACCGGTGAGAAGCCCTTCCAGTGCATTGCATGTGGCCGT  
 GCCTTTGCCAGAAGTCAATGTTAAGAAACACATGCAGACCCACAAGGTGTGGCCTCCAGGACACAGTG  
 GTGGCACCGTGTCTCGAAACTCTGTGACCGTACAGGTCTATGGCCCTGAACCCAGCAGGAGGACGAG  
 GGAAGACACAGGTTGGGCCAGCCCTGCCGGGTGCCACAGCCACAGCCAGGCTTGTCCACAGCTGGTGAG  
 GAAGAGGGGGACAGCCGGAGTCCAAGCAGGTGGTCTCATCGACAGCTCCTACCTGTGCCAATTCTGCC  
 CCAGCAAATTCAGCACCTACTTCCAGCTCAAGTCTCACATGACCCAGCATAAGAATGAGCAGGTGTACAA  
 GTGTGTGGTCAAAGCTGTGCCAGACGTTCCCAAAGCTCGACACATTTCTGGAGCAGTCAAGAGCCAC  
 CAGGAGGAGCTGAGCTACCGCTGCCACCTCTGCGCAAGGACTTCCCCTCGCTGTACGACCTGGGCGTGC  
 ACCAGTACTCCACAGCCTCCTGCCACAGCACAGCCCAAGAAGGACAATGCCGCTACAAGTGTGTCAA  
 ATGTGTCAACAAATACTCCACCCCTGAGGCCCTGGAGCACCACCTGCAGACCGCCACTCACAACCTCCCC  
 TGCCCACTGCCAGAAGGTGTTTCTTGTGAACGCTACCTGCGGCGTCACTGCCACCCACGGCAGCG  
 GGGCAGGTTCAAGTGCCAAGTGTGCAAGAAGTCTTCCGGCGGAGCATTATCTCAAAGTGCATGCTCA  
 CATCCACTCGGGTGAAGGCCCTACAAATGCTCAGTGTGCGAGTCTGCGTTCAACCGCAAGGACAAACTG  
 AAGAGACACATGTTGATCCACGAGCCCTTCAAGAAATACAAATGCCCTTCTCGACGCACACAGGCTGCA  
 GTAAGGAGTTCAACCGCCGGACAAGCTGAAGGCCACATCCTCTCCCACTCTGGCATGAAGCTCCACAA  
 ATGCGCCTGTGCAGCAAGTCTTACGCCCGCTGCCACCTCGCCGAGCATCAGCGGCCACACAGGGC  
 AACTACAAGTCCGCTGTGCTGGCTGCGCAAGGGCTTTCCCGCCACAAATACCTCAAAGATCACCGCT  
 GTCGTCTCGCCCCAAAAGGACAAGGACTGCAAACCGCGGCCCCCCCAGAGGAGGGCAGCCCCCG  
 CAGTTGCGGCAGTGGTGGGCGCAAGGTGCTGACCCCTTGCTGACCCGCTGGGGCTGGAGGAGCTGAAG  
 GACACAGGGGCTGGGCTGGTGGCCGAGGCTGTCCCGGCAAGCCGCCCTTCGAGAGCCGGACGCGGTGC  
 TGTCCATCGTTGTGGTGGTGGTGGGCGGAAACTGAGCTGGTGGTACCTGGACACGCTGAGGGGCT  
 GGGCTCAAACCTGGCTCTGGCGAGCTGCAGGCTGGGGCCGAGGGCCATGTGCCATGCTCGCTGTGCC  
 GTCTACATCCAGGCTCCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216163 representing NM\_032819  
 Red=Cloning site Green=Tags(s)

MAQAIFEALEGMDNQTVLAVQSLLDGQGAVPDPTGQSVNAPPAIQPLDDEDVFLCGKCKKQFNSLPAFMT  
 HKREQCQGNAPALATVSLATNSIYPPSAAPTAVQQAPTANRQISTYITVPPSPLIQTLVQGNILVSDDV  
 LMSAMSAFTSLDQMPMQGPPPVQSSLNMHSPVSYLTQPPPPPPPPPLPPPPPPQPPPPQSLGPPGRP  
 NPGGNGVVEVYSAAPLAGSGTVEIQALGMQPYPPLEVPNQCVPEPPVYPTPTVYSPGKQGFKPKGNPAA  
 PMTSATGGTVATFDSPATLKTRRAKAAGKPKAQKLCVSYCDKSF TKNFDLQQHRSHTGEKPFQCIACGR  
 AFAQKSNVKKHMQTHKVVPPGHSGGTVSRNSVTQVMALNPSRQEDEESTGLGQPLPGAPQPALSTAGE  
 EEGDKPESKQVVLIDSSYLQCFPSKSTYFQLKSHMTQHKNQVYKCVKSCAQTFPKLDTFLEHIKSH  
 QEELSYRCHLCGKDFPSLYDLGVHQYSHLLPQHSPKDNNAVYKCVKCNKYSTPEALEHHLQTATHNFP  
 CPHCQKVFPCERYLRRHLPTHGSGGRFKCQVCKKFFRREHYLKLHAHIHSGEKPYKCSVCESAFNRKDKL  
 KRHMLIHEPFKKYKCPFSTHTGCSKEFNRPDKLKAHILSHGSKLHKCALCSKFSRRAHLAEHQRAHTG  
 NYKFRCAKAGFSRHKYLDKHCRLGPQKDKDLQTRPPQRRAPRSCGSGGRKVLTPDPPLGLEELK  
 DTGAGLVPEAVPGKPPFAEPDAVLSIVVGGAVGAETELVVPGHAEGLGSLALAEQLQAGAEGPCAMLAVP  
 VYIQASE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg3677\\_d01.zip](https://cdn.origene.com/chromatograms/mg3677_d01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

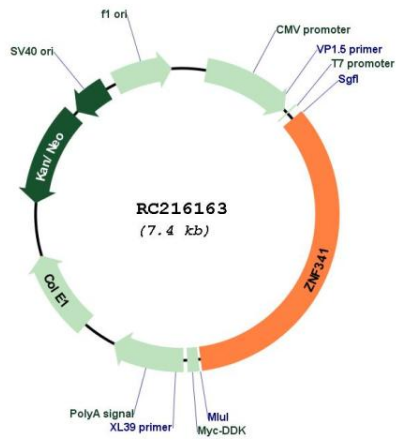
Cloning sites used for ORF Shuttling:



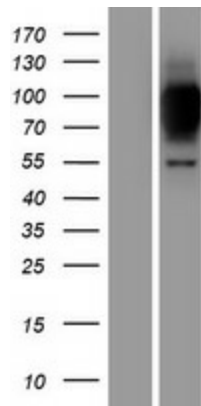
\* The last codon before the Stop codon of the ORF

<b>ACCN:</b>	NM_032819
<b>ORF Size:</b>	2541 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_032819.4</a> , <a href="#">NP_116208.3</a>
<b>RefSeq Size:</b>	3330 bp
<b>RefSeq ORF:</b>	2544 bp
<b>Locus ID:</b>	84905
<b>UniProt ID:</b>	<a href="#">Q9BYN7</a>
<b>Cytogenetics:</b>	20q11.22
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	91.9 kDa
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC216163



Western blot validation of overexpression lysate (Cat# [LY409946]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216163 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).