

Product datasheet for **RC239690**

ZNF341 (NM_001282933) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RC239690 representing NM_001282933
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGCAGGCGATCTTTGAGGCCCTGGAGGGAATGGACAATCAGACCGTTCTGGCTGTCCAGTCATTAT
 TGGATGGCCAAGGAGCAGTCCCTGATCCGACAGGCCAGAGTGTCAATGCGCCCCCTGCTATCCAGCCATT
 GGATGACGAGGATGATTTCTCTGCGGGAAGTGAAGAAGCAATCAACTCGCTGCCAGCGTTTATGACC
 CACAAGCGGAACAGTGCCAGGGGAATGCCCGGCCCTGGCCACAGTCTCACTGGCCACCAACAGCATCT
 ACCCACCTTCGGCAGCACCCACAGCGGTCCAGCAGGCCCAACTCCTGCCAATCGCCAGATCTCCACATA
 CATCACAGTGGCCCCGTCCCCACTGATCCAGACCCTGGTGCAGGGGAACATCTTGGTGAGCGATGATGTG
 CTCATGTCTGCCATGTGAGCCTTCACATCCCTGGACCAGCCATGCCCCAGGGCCCCCACCTGTGCAGA
 GCAGCCTGAACATGCATTCCGTGCCAGCTACCTACCCAGCCTCCACCTCCTCCTCCACCTCCTCCACC
 ACTGCCCCACCGCCACCCTCAGCCTCCACCCTCCACCCAGAGCCTGGGCCCCCTGGGCGTCCC
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 AGATCCAGGCACTGGGATGCAGCCCTACCCACCCCTAGAGGTGCCAAACAGTGTGTGGAGCCTCCAGT
 ATATCCACCCCCACAGTGTACAGCCCTGGCAACAGGGATTCAAAACCAAGGACCAAAACCCGCGGCC
 CCCATGACCAAGCGCCACCGGGGACGGTGGCCACCTTTGACTCTCCAGCAACGCTGAAGACCCGACGAG
 CTAAAGGTGCCAGGGGACTCCCGGAAGCTGCAGGGAAGCCAAAGGCTCAGAAACTCAAGTGTCTACTGT
 TGACAAGTCATTACCAAAAACTTTGACCTGCAGCAGCACATCCGAAGCCACACCGGTGAGAAGCCCTTC
 CAGTGCATTGCATGTGGCCGTGCCCTTTGCCAGAAGTCTAATGTTAAGAAACACATGCAGACCCACAAGG
 TGTGGCCTCCAGGACACAGTGGTGGCACCGTGTCTCGAACTCTGTGACCGTACAGGTGATGGCCCTGAA
 CCCCAGCAGGACGAGGACGAGGAAAGCACAGGGTTGGGCCAGCCCTGCGGGTGCGCCACAGCCCCAG
 GCCTTGTCCACAGTGGTGAGGAAGAGGGGACAAGCCGGAGTCCAAGCAGGTGGTCTCATCGACAGCT
 CCTACCTGTGCCAATCTGCCCCAGCAAATTCAGCACCTACTTCCAGCTCAAGTCTCACATGACCCAGCA
 TAAGATGAGCAGGTGTACAAGTGTGTGGTCAAAGCTGTGCCAGAGCTTCCAAAGCTCGACACATTT
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 CGCTGTACGACCTGGGCGTGCACCACTACTCCACAGCCTCCTGCCACAGCACAGCCCAAGAAGGACAA
 TGCCGTCTACAAGTGTGCAATGTGTCAACAATACTCCACCCCTGAGGCCCTGGAGCACCACTGCAG
 ACCGCCACTCACAATTTCCCCTGCCCACTGCCAGAAGGTGTTTCTTGTGAACGCTACCTGCGGCGTC
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 TCGCAGAGCCGGACGCGGTGCTGTCCATCGTTGTGGGTGGTGGGCGCGGAACTGAGCTGGTGGT
 ACCTGGACACGCTGAGGGGCTGGGCTCCAACTGGCTGTGGCGGAGCTGCAGGCTGGGGCCGAGGGCCCA
 TGTGCCATGCTCGCTGTGCCGTCTACATCCAGGCCTCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239690 representing NM_001282933

Red=Cloning site Green=Tags(s)

MAQAIFEALEGMDNQTVLAVQSLLDGQGAVPDPTGQSVNAPPAIQPLDDEDVFLCGKCKKQFNSLPAMT
HKREQCQGNAPALATVSLATNSIYPPSAAPTAVQQAPTPANRQISTYITVPPSPLIQTLVQGNILVSDDV
LMSAMSAFTSLDQMPQGPPPVQSSLMHMSVPSYLTQPPPPPPPPPLPPPPPPPPPPPSLGPGRP
NPGGNGVVEVYSAAAPLAGSGTVEIQALGMQYPPLEVPNQCVPEPPVYPTPTVYSPGKQGFKPGPNPAA
PMTSATGGTVATFDSPATLKTRRAKGARGLPEAAGKPKAQKLKCSYCDKSFTKNFDLQQHIRSHTGEKPF
QCIACGRAFAQKSNVKKHMQTHKVWPPGHSGGTVSRNSVTQVMALNPSRQEDEESTGLGQPLPGAPQPQ
ALSTAGEEEGDKPESKQVVLIDSSYLCQFCPSKFSTYFQLKSHMTQHKNEQVYKCVVKSCAQTFPKLDTF
LEHIKSHQEELSYRCHLCGKDFPSLYDLGVHQYSHLLPQHSPKKDNAVYKCVKCVNKYSTPEALEHHLQ
TATHNFPCHCQKVFPCERYLRRHLPTHGSGGRFKCQVCKKFFRREHYLKLHAHIHSGEKPYKCSVCESA
FNRKDKLKRHMLIHEPFKKYKCPFSTHTGCSKEFNRPDKLKAHILSHSGMKLHKCALCSKFSRRHLAE
HQRHTGNYKFRCAAGCAKGFSRHKYLDHRCRLGPQDKDLQTRRPPQRRAPRSCGSGGRKVLTPLPDP
LGLEELKDTGAGLVPEAVPGKPPFAEPDAVLIVVGGAVGAETELVVPGHAEGLSNLALAEQAAGP
CAMLAVPVYIQASE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

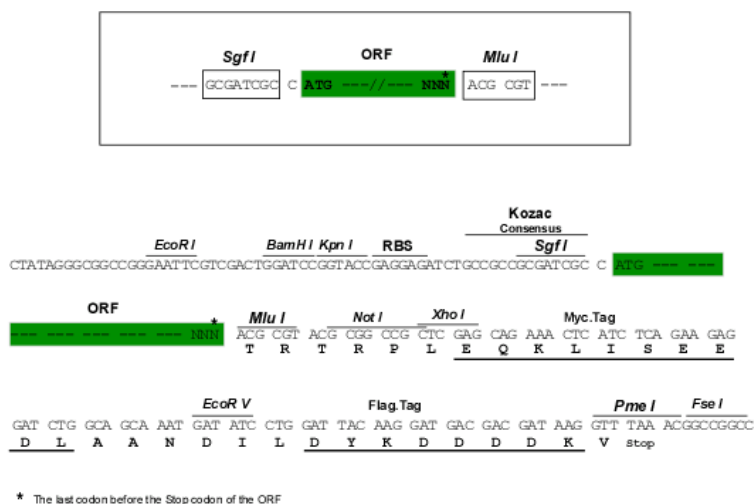
https://cdn.origene.com/chromatograms/ja3437_f07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

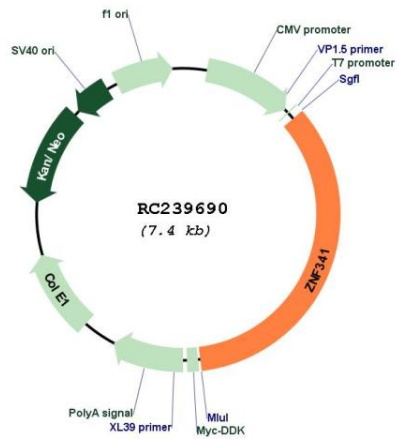


ACCN: NM_001282933

ORF Size: 2562 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001282933.2
RefSeq Size:	3595 bp
RefSeq ORF:	2565 bp
Locus ID:	84905
UniProt ID:	Q9BYN7
Cytogenetics:	20q11.22
Protein Families:	Transcription Factors
MW:	92.7 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239690