

Product datasheet for **RC202995**

ZNF342 (ZNF296) (NM_145288) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF342 (ZNF296) (NM_145288) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF342
Synonyms:	ZFP296; ZNF342
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC202995 representing NM_145288
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCCCGCCGAAGGCCGCGAGCGCGCCCGCCGAGTAGAGCCCGCGCCCGCCGAACCCAGACGACG
 AGATGGAATGCAGGACCTCGTCATCGAACTCAAGCCCGAGCCAGACGCGCAGCCCAACAGGCCCAAG
 GCTGGGGCCCTTCTCCCGAAGGAGGTGTCTCGGCGGGGCGGTTCTGGCGGCGAACCCACCACTCCCT
 GGCCCATGCCCGCCGGGCGCCCTCTCGCCCTCGGCCGCGGAACCCGTGGACCTGTGGACGCCGT
 TGACCCCGAACTATCCCGACCGCCAGCCCTGGACCGACAAACCCAGATCTGTTGACCTGCGGCCGCTG
 CCTGCAGACCTTCCCGTTGGAGGCCATCACTGCCTTCATGGACCACAAGAAGCTGGGCTGTACGCTCTTC
 AGAGGCCCGAGCGCGGCCAGGGCTCAGAACGAGAGGAGCTGAAGGCCTTGAGCTGCCTGCGCTGTGGCA
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 AGAATCAGAGGCCCGGAGGCCCGCTCTGGGCTGGCCGAGGTGGCTGCAGCCGTGTGCGCAGTGGTG
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 CTGTGTGCAAGAAGACCTCAGCTCCTTCAGCAACCTCAAAGTGACATGCGCTCACACAGGCGAGCG
 GCCCTATGCTTGCAGCAGTGTCCCTACGCCTGCGCCAGAGCAGCAAGCTCAACCGCCACAAGAAGACC
 CACCGGCAGGTGCCGCCCGAGAGCCCCCTATGGCCGACACCGCAGGAGCAGGCCTCTGCAGCCCCCTC
 CGGAGCCGGCTGTCCATGCTGCTGCCCCACCAGCACCTTCCATGCAGCGGTGGTGAGGGGGCTGGAGC
 CGCCGCCACAGCAGGTGTCCAGGAACCCGGGGCTCTGGCAGTGGGGCTCAAGCCGGCCCTGGTGGAGAC
 ACTTGGGGAGCCATCACACGGAACAAAGAACTGACCTGCAACAGCCAGAAGGCATCACCCAAAAGA
 TGCCCAAGTCAGGGGGCAAGAGCCGCGGGCCCGGGGCGAGCTGTGAGTTCTGCGGAAGCATTTTACCA
 CAGCAGCAACCTGACGGTGCACCGGCGCTCACACACCGGGGAGCGCCCTACACCTGTGAGTTCTGCAAC
 TACGCTGCGCCAGAGCAGTAAGCTCAACCGCCACCGCCGATGCACGCGATGACGCTGGCAGCACCC
 GCTTCGAGTGCCCCACTGCCATGTGCCCTTCGGCTGCGAGCCACCCTGGACAAACACCTGCGGCAGAA
 GCACCCTGAGGCGGCCGCGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202995 representing NM_145288
 Red=Cloning site Green=Tags(s)

MSRRKAGSAPRRVEPAPAANPDDEMEMQDLVIELKPEPDAQPPQAPRLGPFSPKEVSSAGRFGGEPHHS
 GPMPAGAAALLALGPRNPWLWTPLTPNYPDRQPWTDKHPDLLTCGRCLQTFPLEAITAFMDHKKLGCQLF
 RGPSRQGSGEREELKALSCLRCGKQFTVAWKLLRHAQWDHGLSIYQTESEAPEAPLLGLAEVAAAVSAVV
 GPAAEAKSPRASGSLTRRSPTCPVCKKTLSSFNLKVHMRSHTERPYACDQCPYACAQSSKLNRRHKKT
 HRQVPPQSPLMADTSQEQAAPPEPAVHAAAPTSTLPCSGGEGAGAAATAGVQEPGAPGSGAQAGPGGD
 TWGAITTEQRTDPANSQKASPKMKPSGGKSRGPGGSCEFCGKHFTNSSNLTVHRRSHTGERPYTCEFCN
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TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

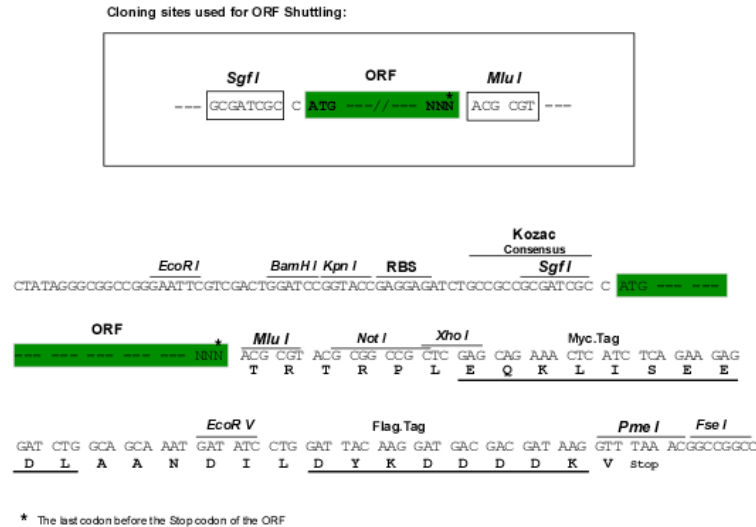
Chromatograms:

https://cdn.origene.com/chromatograms/mk8112_e06.zip

Restriction Sites:

Sgfl-MluI

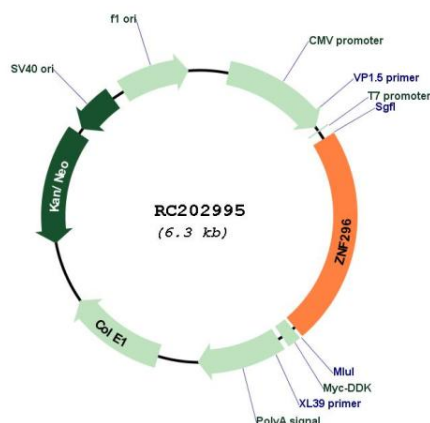
Cloning Scheme:



ACCN:	NM_145288
ORF Size:	1425 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_145288.3
RefSeq Size:	1604 bp
RefSeq ORF:	1428 bp
Locus ID:	162979

UniProt ID: [Q8WUU4](#)
 Cytogenetics: 19q13.32
 Domains: zf-C2H2
 Protein Families: Transcription Factors
 MW: 50.6 kDa
 Gene Summary: May be a transcriptional corepressor with KLF4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC202995