

Product datasheet for **RG202995**

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:	TurboGFP
Symbol:	ZNF342
Synonyms:	ZFP296; ZNF342
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG202995 representing NM_145288
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCGCCGAAGGCCGCGCAGCGCCCCGCCGAGTAGAGCCCGCGCCCGCCGAACCCAGACGACG
 AGATGGAATGCAGGACCTCGTCATCGAACTCAAGCCCGAGCCAGACGCGCAGCCCCAACAGGCCCAAG
 GCTGGGGCCCTTCTCCCGAAGGAGGTGTCTCGGCGGGGCGGTTGCGCGGCGAACCCACCACTCCCT
 GGCCCCATGCCCGCCGGGGCCGCCCTCCTCGCCCTCGGCCCGCGGAACCCGTGGACCCTGTGGACGCCGT
 TGACCCCGAACTATCCCGACCGCCAGCCCTGGACCGACAAACACCCAGATCTGTTGACCTGCGGCCGCTG
 CCTGCAGACCTTCCCGTTGGAGGCCATCACTGCCTTCATGGACCACAAGAAGCTGGGCTGTGAGCTCTTC
 AGAGGCCCCAGCCGCGGCCAGGGCTCAGAACGAGAGGAGCTGAAGGCCTTGAGCTGCCTGCGCTGTGGCA
 AACAGTTCACAGTGGCCTGGAAGCTGCTGCGTCACGCCCAGTGGGACCACGGAAGTGTCCATCTACCAGAC
 AGAATCAGAGGCCCGGAGGCCCGCTCCTGGGCTGGCCGAGGTGGCTGCAGCCGTGTGCGCAGTGGTG
 GGCCAGCAGCTGAGGCCAAGAGCCCCCGTCAAGTGGCAGCGGCCTCACCCGGCGGAGCCCCACCTGTG
 CTGTGTGCAAGAAGACCTCAGCTCCTTCAGCAACCTCAAAGTGACATGCGCTCACACAGGCGAGCG
 GCCCTATGCTTGCAGACAGTGTCCCTACGCCTGCGCCAGAGCAGCAAGCTCAACCGCCACAAGAAGACC
 CACCGGCAGGTGCCGCCCGAGAGCCCCCTCATGGCCGACACCGCCAGGAGCAGGCTCTGCAGCCCCCTC
 CGGAGCCGGCTGTCCATGCTGCTGCCCCACCAGCACCTTCCATGCAGCGGTGGTGAGGGGGCTGGAGC
 CGCCGCCACAGCAGGTGTCCAGGAACCCGGGGCTCCTGGCAGTGGGGCTCAAGCCGGCCCTGGTGGAGAC
 ACTTGGGGAGCCATCACACGGAACAAAGAACTGACCTGCAACAGCCAGAAGGCATCACCCAAAAAGA
 TGCCCAAGTCAGGGGGCAAGAGCCGCGGGCCCGGGGGCAGCTGTGAGTTCTGCGGAAGCATTTTACCA
 CAGCAGCAACCTGACGGTGACCGGCGCTCACACACCGGGGAGCGCCCTACACCTGTGAGTTCTGCAAC
 TACGCCTGCGCCAGAGCAGTAAGCTCAACCGCCACCGCCGATGCACGCGATGACGCCTGGCAGCACCC
 GCTTCGAGTGCCCCACTGCCATGTGCCCTTCGGCTGCGAGCCACCCTGGACAAACACCTGCGGCAGAA
 GCACCCTGAGGCGGCCGCGAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

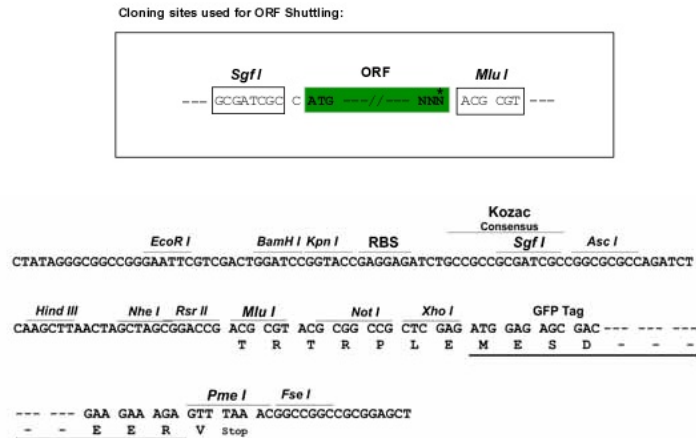
>RG202995 representing NM_145288
 Red=Cloning site Green=Tags(s)

MSRRKAGSAPRRVEPAPAANPDDEMEMQDLVIELKPEPDAQPPQAPRLGPFSPKEVSSAGRFGGEPHHSP
 GPMPAGAAALLALGPRNPWLWPLTPNYPDRQPWTDKHPDLLTCGRCLQTFLEAITAFMDHKKLGCQLF
 RGPSRQGQSEREELKALSCLRCGKQFTVAWKLLRHAQWDHGLSIYQTESEAPEAPLLGLAEVAAAVSAVV
 GPAAEAKSPRASGSLTRRSPTCPVCKKTLSSFNLKVHMRSHTERPYACDQCPYACAQSSKLNRRHKKT
 HRQVPPQSPLMADTSQEQAAPPEPAVHAAAPTSTLPCSGGEGAGAAATAGVQEPGAPGSGAQAGPGGD
 TWGAITTEQRTDPANSQKASPKMKPSGGKSRGPGGSCEFCGKHFTNSSNLTVHRRSHTGERPYTCEFCN
 YACAQSSKLNRRHRMHGMPGSTRFECPHCHVPFGLRATLDKHLRQKHPEAAAGEA

TRTRPLE - GFP Tag - V

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.

RefSeq: [NM_145288.3](#)

RefSeq Size: 1604 bp

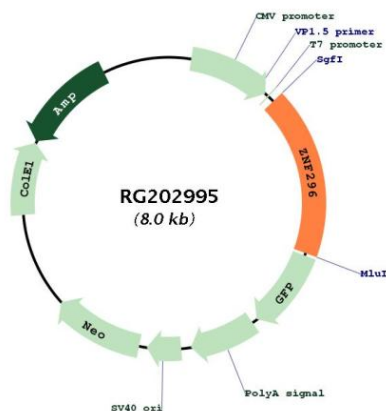
RefSeq ORF: 1428 bp

Locus ID: 162979

UniProt ID: [Q8WUU4](#)

Cytogenetics: 19q13.32
Domains: zf-C2H2
Protein Families: Transcription Factors
Gene Summary: May be a transcriptional corepressor with KLF4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202995