

Product datasheet for **RC232900**

ZNF410 (NM_001242924) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF410 (NM_001242924) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF410
Synonyms:	APA-1; APA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC232900 representing NM_001242924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTATCAGATGAGTTAGAATCCAACCAGAGCTCCTGGTACAGTTTGTTCAGAATACGTCATCCCAT
 TGGGACAGGGCTTGTAGAATCAGAAGCTAAAGATATTACTTGCTTGCCCTCCTCCCGTACTGAAGC
 CTCAGAATGCAGTCGGCTAATGTTACCAGAACCTGTTCCATGGAGAGAAGAGGATGGAAAGTCAGGCTGC
 AGTGACTTGAATGATACTACAAATCATTCTAACTCCTCCAAGGAGGTCCCTTCTCAGCTGTTTTGAGAA
 GCCTTCGGGTGAATGTGGGTCCAGACGGAGAGGAGACGAGAGCTCAGACTGTACAGAAAATCCCCGGAGTT
 TTTGTCCACTTCAGAGTCTTAGCTTGTGCAAGATCTACAGCCAAGTATAGCACTTCTTTTATTCTT
 CTTAACCTAACAGAGCAGGTCTGGGCTCTCAGCTGAGCACTTAGTGTTGTACAGGATGAGGCAGAAG
 ATTCAGGGAATGATTTCCCTCCTCAGTGAGAGCACAGACAGTAGCATTCCATGGTTCCTCCGGGTTCCAGGA
 GTTGGCCCATGACAGTTTGATTGCTGCTACTCGTGCACAACTGGCAAAGAATGCAAAAACCAGCAGCAAT
 GGAGAAAATGTCCACCTTGGTTCGGTGATGGGAGTCAAAGATTCGGGCCCTTCTCAAGTGGAAA
 AGAAGCTCAAGTGTACAGTTGAAGTGTGACCGGACATTTGATGGCCAGCTCACTTTAAATACCACCT
 CAAGACTCATCGAAATGACCGCTCCTTCATCTGTCTGCAGAAAGTGTGGGAAAAGCTTCTATGTGCTG
 CAGAGGCTGAAGTGCACATGAGGACCCACAATGGAGAGAAGCCCTTTATGTGCCATGAGTCTGGCTGTG
 GTAAGCAGTTTACTACAGCTGAAAACCTGAAGAACCACCGGCGCATCCACACAGGAGAGAAAACCTTTCCT
 TTGTGAAGCCCAAGGATGTGGCCGTTCCCTTGTGAGTATTCTAGCCTCCGAAAACATCTGGTGGTTCAC
 TCAGGAGAGAAGCCTCATCAGTGCCAAGTCTGTGGGAAGACCTTCTCAGAGTGAAGCAGGAATGTGC
 ATATGAGAAAAGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGGAGCAAACTGCTGAGCCAT
 AATGGGCAGTAGTTTGTGTTGAAGAGGCTCAGTACCCAGTAAAAACCTGGTGTCTATGAATTCACGCCC
 AGCCTTGGTGGAGAGTCTTGAACCTACCAATACCAATTCTATCCTGGGAGTTGATGATGAGGTGCTTG
 CTGAAGGATCCCCACGTTCCCTGTCTTCACTGACATCACCTGGTGACCATGCAGTCAGG
 GAGGCAATCATATGAAGTTTCTGTCTTAACTGCAGTAAATCCACAAGAGAGTCTCGCTCCGTTGCCAGG
 CTGGAGTGCAGTGGTGCCTTCTCGGCTCACTGCAACCTCTGCCTCCAGGTTCAAGCGATTCTCTGCTC
 CAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232900 representing NM_001242924
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLLPVTEASECSRLMLPEPVPWREEDGKSGC
 SDLNDTTNHSNSKEVPSSAVLRSLRVNVGPDGEETRAQTVQKSPEFLSTSESSLLQDLQPSDSTSFIL
 LNLTRAGLGSSAEHLVFVQDEAEDSGNDFLSSESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTSSN
 GENVHLGSDGQSKDSGPLPQVEKCLKCTVEGCDRTFVWPAHFYHLKTHRNDRSFCPAEGCGKSFYVL
 QRLKVHMRTHNGEKPFMCHESGCGKQFTTAGNLKNHRIHTGEKPFLEAQQGGRSFAEYSSLRKHLVVH
 SGEKPHQCQVCGKTFSSGSRNVHMRKHHLLQGAAGSQEQEQTAEPLMGSSLLEEASVPSKNLVMNSQP
 SLGGESLNLPTNSILGVDEVLAEGPSRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQESLAPLPR
 LECSGAFSAHCNLCPLGSSDSPASAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001242924

ORF Size: 1548 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_001242924.2](#)

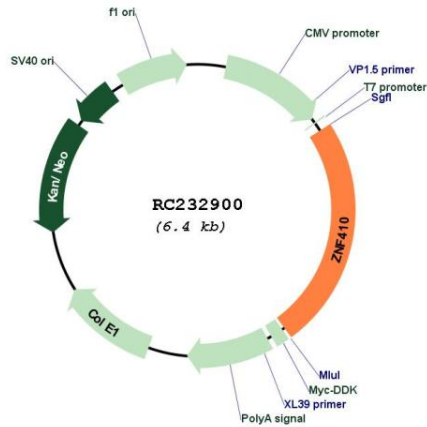
RefSeq Size: 2814 bp

RefSeq ORF: 1551 bp

Locus ID: 57862

UniProt ID: [Q86VK4](#)
Cytogenetics: 14q24.3
Protein Families: Transcription Factors
MW: 56.3 kDa
Gene Summary: Transcription factor that activates transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC232900