

Product datasheet for **RG232900**

ZNF410 (NM_001242924) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF410 (NM_001242924) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF410
Synonyms:	APA-1; APA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232900 representing NM_001242924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTATCAGATGAGTTAGAATCCAACCAGAGCTCCTGGTACAGTTTGTTCAGAATACGTCCATCCCAT
 TGGGACAGGGGCTTGTAGAATCAGAAGCTAAAGATATTACTTGCTTGTCCTCCTCCCGTGACTGAAGC
 CTCAGAATGCAGTCGGCTAATGTTACCAGAACCTGTTCCATGGAGAGAAGAGGATGGAAAGTCAGGCTGC
 AGTGACTTGAATGATACTACAAATCATTCTAACTCCTCCAAGGAGGTCCCTTCCTCAGCTGTTTTGAGAA
 GCCTTCGGGTGAATGTGGGTCCAGACGGAGAGGAGACGAGAGCTCAGACTGTACAGAAATCCCCGGAGTT
 TTTGTCCACTTCAGAGTCTTCTAGCTTGTGCAAGATCTACAGCCAAGTATAGCACTTCTTTTATTCTT
 CTTAACCTAACAGAGCAGGTCTGGGCTCTTCAGCTGAGCACTTAGTGTTGTACAGGATGAGGCAGAAG
 ATTCAGGGAATGATTTCTCCTCAGTGAGAGCACAGACAGTAGCATTCCATGGTTCCTCCGGGTTACAGGA
 GTTGGCCCATGACAGTTTGATTGCTGCTACTCGTGCAAACTGGCAAAGAATGCAAAAACCAGCAGCAAT
 GGAGAAAAATGTCCACCTTGGTTCGGTGATGGGCAGTCAAAGATTCTGGGCCCTTCCTCAAGTGAGAA
 AGAAGCTCAAGTGTACAGTTGAAGGTTGTGACCGGACATTTGTATGGCCAGCTCACTTTAAATACCACCT
 CAAGACTCATCGAAATGACCGCTCCTTCATCTGTCTGCAGAAGGTTGTGGGAAAAGCTTCTATGTGCTG
 CAGAGGCTGAAGGTGCACATGAGGACCCACAATGGAGAGAAGCCCTTTATGTGCCATGAGTCTGGCTGTG
 GTAAGCAGTTTACTACAGCTGGAAACCTGAAGAACCACCGGCGCATCCACACAGGAGAGAAACCTTTCCT
 TTGTGAAGCCCAAGGATGTGGCGGTTCCCTTGTGAGTATTCTAGCCTCCGAAACATCTGGTGGTTCAC
 TCAGGAGAGAAGCCTCATCAGTGCCAAGTCTGTGGGAAGACCTTCTCTCAGAGTGAAGCAGGAATGTGC
 ATATGAGAAAGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGGAGCAAACTGCTGAGCCACT
 AATGGGCAGTAGTTTGTGTTGAAGAGGCTTCAGTACCCAGTAAAAACCTGGTGTCTATGAATTCACGCC
 AGCCTTGGTGGAGAGTCTTGAACCTACCAATACCAATTCTATCCTGGGAGTTGATGATGAGGTGCTTG
 CTGAAGGATCCCCACGTTCCCTGTCTTCAGTGCTGATGTGACACATCACCTGGTGACCATGCAGTCAGG
 GAGGCAATCATATGAAGTTTCTGTCTTAAGTGCAGTAAATCCACAAGAGAGTCTCGCTCCGTTGCCAGG
 CTGGAGTGCAGTGGTGCCTTCTCGGCTCACTGCAACCTCTGCCTCCAGGTTCAAGCGATTCTCTGCCT
 CAGCCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

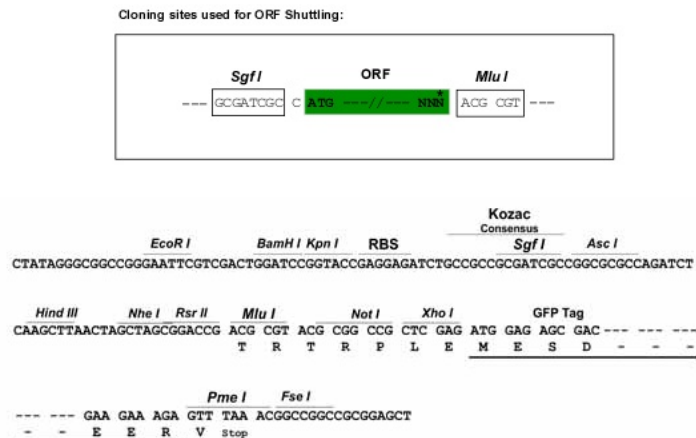
>RG232900 representing NM_001242924
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLLPVTEASECSRMLPEPVPWREEDGKSGC
 SDLNDTTNHSNKSKEVPSSAVLRSLRVNVPDGEETRAQTVQKSPEFLSTSESSLLQDLQPSDSTSFIL
 LNLTRAGLGSSAEHLVFVQDEAEDSGNDFLSSESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTSSN
 GENVHLGSGDGQSKDSGPLPQVEKKLKCTVEGCDRTFVWPAHFYHLKTHRNDRSFICPAEGCGKSFYVL
 QRLKVHMRTHNGEKPFCHESGCGKQFTTAGNLKNHRIHTGEKPFCEAQGCGRSFAEYSSLRKHLVVH
 SGEKPHQCQVCGKTFSSGSRNVHMRKHLQLGAAGSQEQEQTAEPLMGSSLLEEASVPSKNLVSMNSQP
 SLGGESLNLPTNSILGVDDVLAEGSPRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQESLAPLPR
 LECSGAFSAHCNLCPLGSSDSPASAS

TRTRPLE – GFP Tag – V

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.

RefSeq: [NM_001242924.2](#)

RefSeq Size: 2814 bp

RefSeq ORF: 1551 bp

Locus ID: 57862

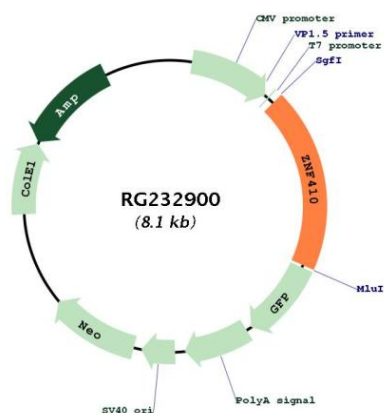
UniProt ID: [Q86VK4](#)

Cytogenetics: 14q24.3

Protein Families: Transcription Factors

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 RG232900