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# Product datasheet for RC232669

## ZNF410 (NM_001242927) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ZNF410 (NM_001242927) 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) |

**ORF Nucleotide Sequence:**

>RC232669 representing NM_001242927
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTACAGTTTGTTCAGAATACGTCCATCCCAT
TGGGACAGGGGCTTGTAGAATCAGAAGCTAAAGATATTACTTGCTTGTCCCTCCTTCCCGTGACTGAAGC
CTCAGAATGCAGTCGGCTAATGTTACCAGGTCTGGGCTCTTCAGCTGAGCACTTAGTGTTTGTACAGGAT
GAGGCAGAAGATTCAGGGAATGATTTCCTCTCCAGTGAGAGCACAGACAGTAGCATTCCATGGTTCCTCC
GGGTTCAGGAGTTGGCCCATGACAGTTTGATTGCTGCTACTCGTGCACAACTGGCAAAGAATGCAAAAAC
CAGCAGCAATGGAGAAAATGTCCACCTTGGTTCTGGTGATGGGCAGTCAAAAGATTCTGGGCCCCTTCCT
CAAGTGGAAAAGAAGCTCAAGTGTACAGTTGAAGGTTGTGACCGGACATTTGTATGGCCAGCTCACTTTA
AATACCACCTCAAGACTCATCGAAATGACCGCTCCTTCATCTGTCCTGCAGAAGGTTGTGGGAAAAGCTT
CTATGTGCTGCAGAGGCTGAAGGTGCACATGAGGACCCACAATGGAGAGAAGCCCTTTATGTGCCATGAG
TCTGGCTGTGGTAAGCAGTTTACTACAGCTGGAAACCTGAAGAACCACCGGCGCATCCACACAGGAGAGA
AACCTTTCCTTTGTGAAGCCCAAGGATGTGGCCGTTCCTTTGCTGAGTATTCTAGCCTCCGAAAACATCT
GGTGGTTCACTCAGGAGAGAAGCCTCATCAGTGCCAAGTCTGTGGGAAGACCTTCTCTCAGAGTGGAAGC
AGGAATGTGCATATGAGAAAGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGGAGCAAACTG
CTGAGCCACTAATGGGCAGTAGTTTGCTTGAAGAGGCTTCAGTACCCAGTAAAAACCTGGTGTCTATGAA
TTCCCAGCCCAGCCTTGGTGGAGAGTCCTTGAACCTACCAAATACCAATTCTATCCTGGGAGTTGATGAT
GAGGTGCTTGCTGAAGGATCCCCACGTTCCCTGTCTTCAGTGCCTGATGTGACACATCACCTGGTGACCA
TGCAGTCAGGGAGGCAATCATATGAAGTTTCTGTCTTAACTGCAGTAAATCCACAAGAGTTACTAAACCA
AGGAGATTTAACTGAAAGACGGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:**

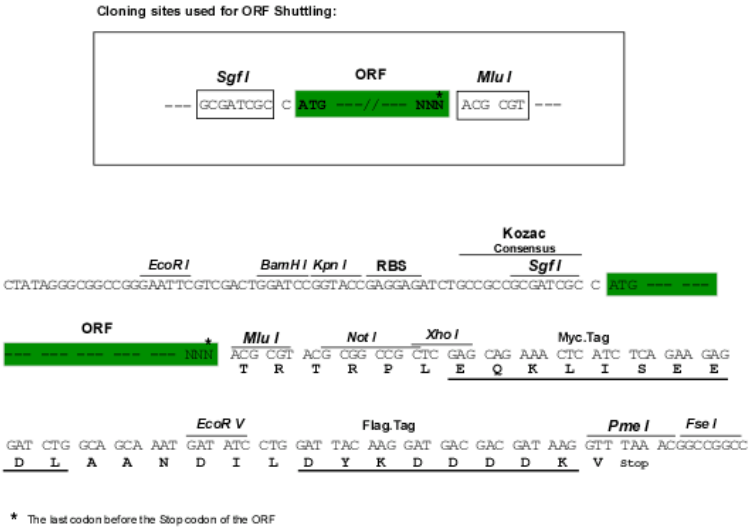
>RC232669 representing NM_001242927
Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLLPVTEASECSRLMLPGLGSSAEHLVFVQD
EAEDSGNDFLSSESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTSSNGENVHLGSGDGQSKDSGPLP
QVEKKLKCTVEGCDRTFVWPAHFKYHLKTHRNDRSFICPAEGCGKSFYVLQRLKVHMRTHNGEKPFMCHE
SGCGKQFTTAGNLKNHRRIHTGEKPFLCEAQGCGRSFAEYSSLRKHLVVHSGEKPHQCQVCGKTFSQSGS
RNVHMRKHHLQLGAAGSQEQEQTAEPLMGSSLLEEASVPSKNLVSMNSQPSLGGESLNLPNTNSILGVDD
EVLAEGSPRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQELLNQGDLTERRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_001242927

**ORF Size:** 1215 bp

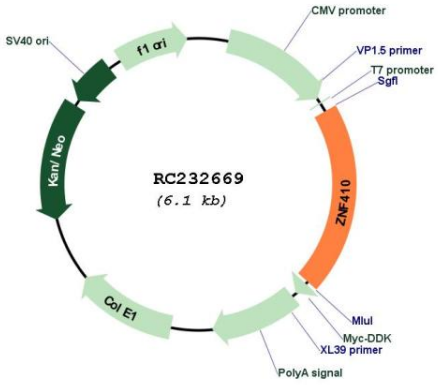
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001242927.2 |
| **RefSeq Size:** | 2426 bp |
| **RefSeq ORF:** | 1218 bp |
| **Locus ID:** | 57862 |
| **UniProt ID:** | Q86VK4 |
| **Cytogenetics:** | 14q24.3 |
| **Protein Families:** | Transcription Factors |
| **MW:** | 44.7 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 RC232669