

## Product datasheet for **RG232669**

### ZNF410 (NM\_001242927) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | ZNF410 (NM_001242927) 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)                                                         |
| ORF Nucleotide Sequence:  | >RG232669 representing NM_001242927<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTACAGTTTGTTGAGAATACGTCCATCCCAT  
 TGGGACAGGGGCTTGTAGAATCAGAAGCTAAAGATATTACTTGCTTGCCCTCCTCCCGTGAAGC  
 CTCAGAATGCAGTCGGCTAATGTTACCAGGTCTGGGCTCTTCAGCTGAGCACTTAGTGTTGTACAGGAT  
 GAGGCAGAAGATTCAGGGAATGATTTCTCTCCAGTGAGAGCACAGACAGTAGCATTCCATGGTTCTCTCC  
 GGGTTCAGGAGTTGGCCCATGACAGTTTGATTGCTGCTACTCGTGCACTGGCAAAGAATGCAAAAC  
 CAGCAGCAATGGAGAAAATGTCCACCTTGGTTCTGGTGATGGGCAGTCAAAGATTCTGGGCCCTTCTCT  
 CAAGTGGAAAAGAAGCTCAAGTGTACAGTTGAAGTTGTGACCGGACATTGTATGGCCAGCTCACTTTA  
 AATACCACCTCAAGACTCATCGAAATGACCGCTCCTTCATCTGTCCTGCAGAAGTTGTGGGAAAAGCTT  
 CTATGTGCTGCAGAGGCTGAAGGTGCACATGAGGACCCACAATGGAGAGAAGCCCTTTATGTGCCATGAG  
 TCTGGCTGTGTAAGCAGTTTACTACAGCTGGAACCTGAAGAACCACCGGCGCATCCACACAGGAGAGA  
 AACCTTTCCTTTGTGAAGCCCAAGGATGTGGCCGTTCTTTGCTGAGTATTCTAGCCTCCGAAAACATCT  
 GGTGGTTCACTCAGGAGAGAAGCCTCATCAGTGCCAAGTCTGTGGGAAGACCTTCTCTCAGAGTGGAAGC  
 AGGAATGTGCATATGAGAAAGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGGAGCAAACCTG  
 CTGAGCCACTAATGGGCAGTAGTTTGCTTGAAGAGGCTTCAGTACCCAGTAAAAACCTGGTGCTATGAA  
 TTCCAGCCAGCCTTGGTGGAGAGTCCTGAACCTACCAAATACCAATTCTATCCTGGGAGTTGATGAT  
 GAGGTGCTTGCTGAAGGATCCCCACGTTCCCTGTCTTCAGTGCCTGATGTGACACATCACCTGGTGACCA  
 TGCAGTCAGGGAGGCAATCATATGAAGTTTCTGTCTTAAGTGCAGTAAATCCACAAGAGTTACTAAACCA  
 AGGAGATTTAACTGAAAGACGGACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

**Protein Sequence:** >RG232669 representing NM\_001242927  
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLPVTAESECSRLMLPGLGSSAEHLVFVQD  
 EAEDSGNDFLSSESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTSSNGENVHLSGSGDQSKDSGLP  
 QVEKKLKCTVEGCDRTFVWPAHFKEYHLKTHRNDRSFICPAEGCGKSFYVLQRLKVHMRTHNGEKPFCHE  
 SGCGKQFTTAGNLKNHRRHTGEKPFLEAQQCGRSFAEYSSLRKHLVHSGEKPHQCQVCCKTFSQSGS  
 RNVHMRKHHLQLGAAGSQEQETAEPMLGSSLLLEASVPSKNLVSMNSQPSLGGESLNLPTNSILGVDD  
 EVLAEGSPRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQELLNQGDLTERRT

TRTRPLE – GFP Tag – V

**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.
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\\_001242927.2](#)

**RefSeq Size:** 2426 bp

**RefSeq ORF:** 1218 bp

**Locus ID:** 57862

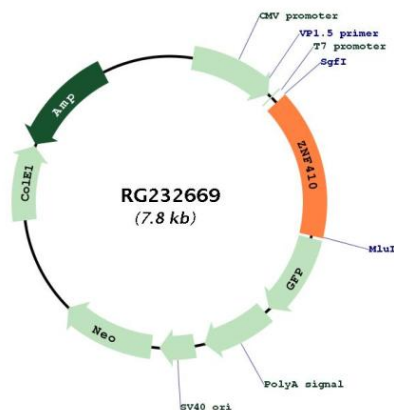
**UniProt ID:** [Q86VK4](#)

**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 RG232669