

Product datasheet for **RG211603**

ZNF410 (NM_021188) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG211603 representing NM_021188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTACAGTTTGTTCAGAATACGTCCATCCCAT
 TGGGACAGGGGCTTGTAGAATCAGAAGCTAAAGATATTACTTGCTTGCCCTCCTTCCCGTGAAGC
 CTCAGAATGCAGTCGGCTAATGTTACCAGATGATACTACAAATCATTCTAACTCCTCAAGGAGGTCCCT
 TCCTCAGCTGTTTTGAGAAGCCTTCGGGTGAATGTGGTCCAGACGGAGAGGAGACGAGAGCTCAGACTG
 TACAGAAATCCCCGGAGTTTTTGTCCACTTCAGAGTCTTCTAGCTTGTTGCAAGATCTACAGCCAAGTGA
 TAGCACTTCTTTTATTCTTCTTAACCTAACAGAGCAGGTCTGGGCTCTTCAGCTGAGCACTTAGTGTTT
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 GGTTCTCCGGTTCAGGAGTTGGCCCATGACAGTTTGATTGCTGCTACTCGTGCACAACTGGCAAAGAA
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 CAGGAGAGAAACCTTTCTTTGTGAAGCCCAAGGATGTGGCGTTCCTTTGCTGAGTATTCTAGCCTCCG
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 AGTGGAAGCAGGAATGTGCATATGAGAAAGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGG
 AGCAAACCTGCTGAGCCACTAATGGGCAGTAGTTTGCTTGAAGAGGCTTCAGTACCCAGTAAAACTGGT
 GTCTATGAATTCCCAGCCAGCCTTGGTGAGAGTCTTGAACCTACCAATACCAATTCTATCCTGGGA
 GTTGATGATGAGGTGCTTGCTGAAGGATCCCCACGTTCCCTGTCTTCAGTGCCTGATGTGACACATCACC
 TGGTGACCATGCAGTCAGGAGGCAATCATATGAAGTTTCTGTCTTAAGTGCAGTAAATCCACAAGATT
 ACTAAACCAAGGAGATTTAACTGAAAGACGGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

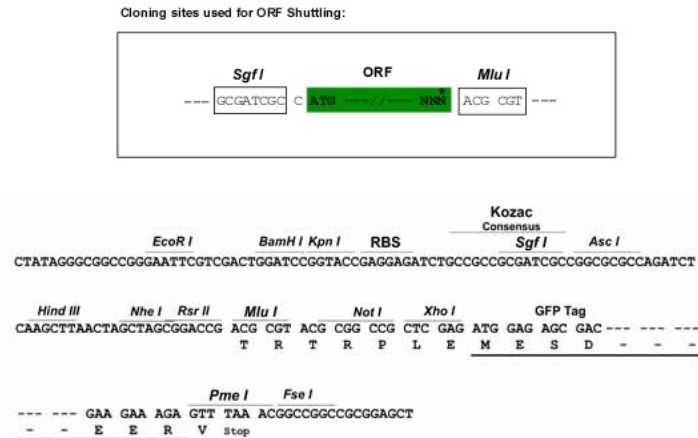
Protein Sequence: >RG211603 representing NM_021188
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLPVTEASECSRLMLPDDTTNHSNSSKEVP
 SSAVLRSLRVNVPDGEETRAQTQKSPFLSTSESSLLQDLQPSDSTSFILLNLTRAGLGSSAEHLVF
 VQDEAEDSGNDFLSSESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTSSNGENVHLGSGDGQSKDSG
 PLPQVEKKLKCTVEGCDRTFVWPAHFKYHLKTHRNDRSFICPAEGCGKSFYVLQRLKVHMRTHNGEKPFM
 CHESGCGKQFTTAGNLKNHRIHTGEKPFCEAQGCGRSFAEYSSLRKHLVVHSGEKP HQVCQVCGKTFQSQ
 SGRNVHMRKHHLQLGAAGSQEQTAEPMLGSSLLLEEASVPSKNLVMNSQPSLGGESLNLPTNSILG
 VDDEVLAEGSPRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQELLNQGDLTERRT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021188

ORF Size: 1434 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).

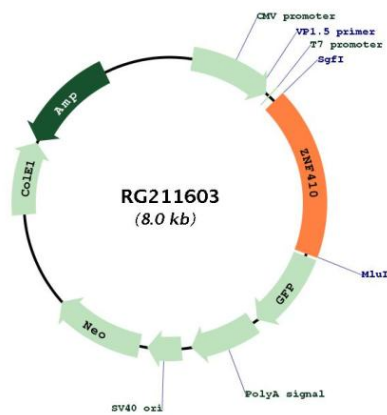
Reconstitution Method:

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_021188.3](#)

RefSeq Size:	2207 bp
RefSeq ORF:	1437 bp
Locus ID:	57862
UniProt ID:	Q86VK4
Cytogenetics:	14q24.3
Domains:	zf-C2H2
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 RG211603