

Product datasheet for **RG232709**

ZNF410 (NM_001242926) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF410 (NM_001242926) 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:	>RG232709 representing NM_001242926 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTACAGTTTGTTGAGAATACGTCCATCCCAT
 TGGGACAGGGGCTTGTAGAATCAGAAGCTAAAGATATTACTTGCTTGCCCTCCTCCCGTGAAGC
 CTCAGAATGCAGTCGGCTAATGTTACCAGATGATACTACAATCATTCTAACTCCTCAAGGAGTCCCT
 TCCTCAGCTGTTTTGAGAAGCCTTCGGGTGAATGTGGGTCCAGACGGAGAGGAGACGAGAGCTCAGACTG
 TACAGAAATCCCGGAGTTTTTGTCCACTTCAGAGTCTTCTAGCTTGTTGCAAGATCTACAGCCAAGTGA
 TAGCACTTCTTTTATTCTTAACTAACAAGAGCAGGTCTGGGCTCTTCAGCTGAGCACTTAGTGTTT
 GTACAGGATGAGGCAGAAGATTCAGGGAATGATTTCTCTCCAGTGAGAGCACAGACAGTAGCATTCCAT
 GGTTCTCCGGGTTTCAAGAGTTGGCCCATGACAGTTTGATTGCTGCTACTCGTGCAACTGGCAAAGAA
 TGCAAAAACCAGCAGCAATGGAGAAAATGTCCACCTTGTTTCTGGTGATGGGCAGTCAAAAGATTCTGGG
 CCCCTTCTCAAGTGAAAGAAAGCTCAAGTGTACAGTTGAAGGTTGTGACCGGACATTTGTATGCCAG
 CTCACTTTAAATACCACCTCAAGACTCATCGAAATGACCGCTCCTTCATCTGTCTGCAGAAGGTTGTGG
 GAAAAGCTTCTATGTGCTGCAGAGGCTGAAGGTGCACATGAGGACCCACAATGGAGAGAAGCCCTTATG
 TGCCATGAGTCTGGCTGTGGTAAGCAGTTTACTACAGCTGGAAACCTGAAGAACCACCGGCATCCACA
 CAGGAGAGAAAACCTTTCTTTGTGAAGCCCAAGGATGTGGCCGTTCTTTGCTGAGTATTCTAGCCCTCCG
 AAAACATCTGGTGGTTCACTCAGGAGAGAAGCCTCATCAGTGCCAAGTCTGTGGGAAGACCTTCTCTCAG
 AGTGGAAGCAGGAATGTGCATATGAGAAAGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGG
 AGCAAACTGAGGTGCTTGCTGAAGGATCCCCACGTTCCCTGTCTTCAGTGCCTGATGTGACACATCACCT
 GGTGACCATGCAGTCAGGGAGGCAATCATATGAAGTTTCTGTCTTAAGTGCAGTAAATCCACAAGAGTTA
 CTAACCAAGGAGATTTAACTGAAAGACGGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232709 representing NM_001242926
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLLPVTEASECSRLMLPDDTTNHSNSSKEVP
 SSAVLRSLRVNVGPDGEETRAQTVQKSPEFLSTSESSLLQDLQPSDSTFILLNLTRAGLGSSAEHLVF
 VQDEAEDSGNDFLSSESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTSSNGENVHLGSGDGGQSKDSG
 PLPQVEKKLKCTVEGCDRTFVWPAHFYHLKTHRNDRSFICPAEGCGKSFYVLQRLKVHMRTHNGEKPFM
 CHESGCGKQFTTAGNLKNHRIHTGEKPFLEAQCGRSFAEYSSLRKHLVVHSGEKPHQCQVCGKTF SQ
 SGRNVHMRKHLQLGAAGSQEQTEVLAEGSPRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQEL
 LNQGDLTERRT

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001242926

ORF Size: 1293 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_001242926.2](#)

RefSeq Size: 2504 bp

RefSeq ORF: 1296 bp

Locus ID: 57862

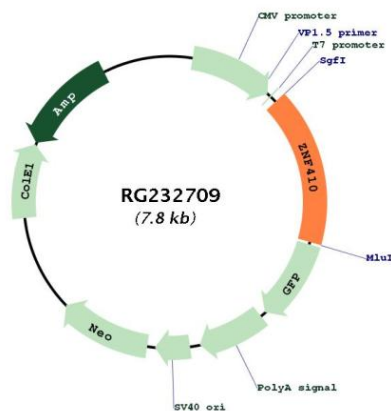
UniProt ID: [Q86VK4](#)

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 RG232709