

Product datasheet for **RC237378**

ZNF410 (NM_001242928) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF410 (NM_001242928) 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:	>RC237378 representing NM_001242928 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAAAACCAGCAGCAATGGAGAAAATGTCCACCTTGGTTCTGGTGATGGGCAGTCAAAAGATTCTGG
GCCCCCTTCCTCAAGTGAAAAGAAGCTCAAGTGTACAGTTGAAGGTTGTGACCGGACATTTGTATGGCCA
GCTCACTTTAAATACCACCTCAAGACTCATCGAAGGTTGTGGGAAAAGCTTCTATGTGCTGCAGAGGCTG
AAGGTGCACATGAGGACCCACAATGGAGAGAAGCCCTTTATGTGCCATGAGTCTGGCTGTGGTAAGCAGT
TTACTACAGCTGGAACCTGAAGAACCACCGGCGCATCCACAGGAGAGAAACCTTTCTTTGTGAAGC
CCAAGGATGTGGCCGTTCTTTGCTGAGTATTCTAGCCTCCGAAAACATCTGGTGGTTCACTCAGGAGAG
AAGCCTCATCAGTGCCAAGTCTGTGGGAAGACCTTCTCTCAGAGTGGAAGCAGGAATGTGCATATGAGAA
AGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGGAGCAAACTGCTGAGCCACTAATGGGCAG
TAGTTTGCTTGAAGAGGCTTCAGTACCCAGTAAAAACCTGGTGTCTATGAATCCAGCCAGCCTTGGT
GGAGAGTCCTTGAACCTACCAAATACCAATTCTATCCTGGGAGTTGATGATGAGGTGCTTGTGAAGGAT
CCCCACGTTCCCTGTCTTCAGTGCCTGATGTGACACATCACCTGGTGACCATGCAGTCAGGAGGCAATC
ATATGAAGTTTCTGTCTTAAGTGCAGTAAATCCACAAGAGGTGGAGTCTTGCTATGTTGCCAGGCTGGA
GTGCAGTGGCACCATCTCGGCTCACTGCAACCTCTACCTCCGAATTCAGCGGTTCTTCTGCCTCAGCC
TCCTGAGTAGCTGGGACCACAGTTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

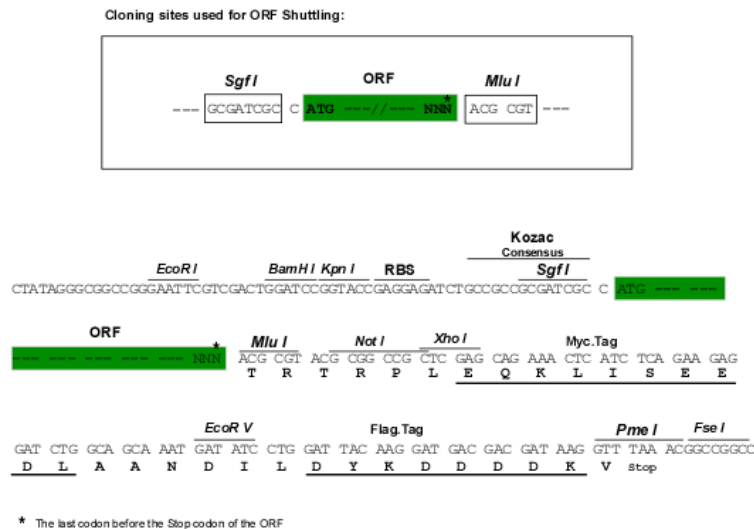
Protein Sequence: >RC237378 representing NM_001242928
 Red=Cloning site Green=Tags(s)

MQKPAAMEKMSTLVLVMGSQKILGPFLKWKRSSSVQLKVVTGHLYGQLTLNTTSRLIEGCGKSFYVLQRL
 KVHMRTHNGEKPFCHESGCGKQFTTAGNLKNHRRHTGEKPFLEAQGCGRSFAEYSSLRKHLVVHSGE
 KPHQCQVCGKTFSSQSGSRNVHMRKHHLQLGAAGSQEQETAELMGSSLLEEASVPSKNLVSMNSQPSLG
 GESLNLPTNSILGVDDEVLAEGSPRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQEVESCYVAQAG
 VQWHHLGSLQLPPEFKRFFCLSLSSWDHSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242928

ORF Size: 936 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_001242928.2

RefSeq Size: 2738 bp

RefSeq ORF: 939 bp

Locus ID: 57862

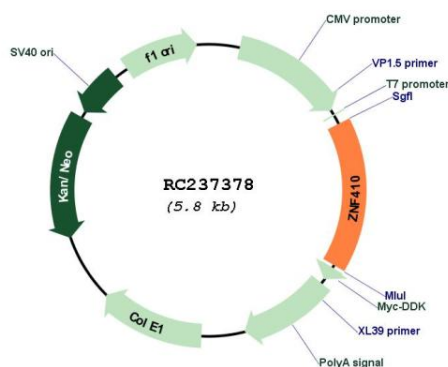
Cytogenetics: 14q24.3

Protein Families: Transcription Factors

MW: 34.9 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 RC237378