

Product datasheet for **RG237378**

ZNF410 (NM_001242928) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF410 (NM_001242928) 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:	>RG237378 representing NM_001242928. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCAAAAACCAGCAGCAATGGAGAAAATGTCCACCTTGGTTCTGGTGATGGGCAGTCAAAAGATTCTG
GGCCCCCTCCTCAAGTGGAAGAAGCTCAAGGTACAGTTGAAGGTTGTGACCGGACATTTGTATGGC
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CTGAAGGTGCACATGAGGACCCACAATGGAGAGAAGCCCTTTATGTGCCATGAGTCTGGCTGTGGTAAG
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GGAGAGAAGCCTCATCAGTGCCAAGTCTGTGGGAAGACCTTCTCTCAGAGTGGAAGCAGGAATGTGCAT
ATGAGAAAGCATCACCTGCAGCTGGGAGCAGCTGGGAGTCAAGAGCAGGAGCAAACCTGCTGAGCCACTA
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AGCCTTGGTGGAGAGTCTTGAACCTACCAATACCAATTCTATCCTGGGAGTTGATGATGAGGTGCTT
GCTGAAGGATCCCCACGTTCCCTGTCTTCAGTGCCTGATGTGACACATCACCTGGTGACCATGCAGTCA
GGGAGGCAATCATATGAAGTTTCTGTCTTAAGTGCAGTAAATCCACAAGAGGTGGAGTCTTGCTATGTT
GCCAGGCTGGAGTGCAGTGGCACCATCTCGGCTCACTGCAACCTCTACCTCCGAATTCAGCGGTTCT
TTCTGCCTCAGCCTCCTGAGTAGCTGGGACCACAGTTAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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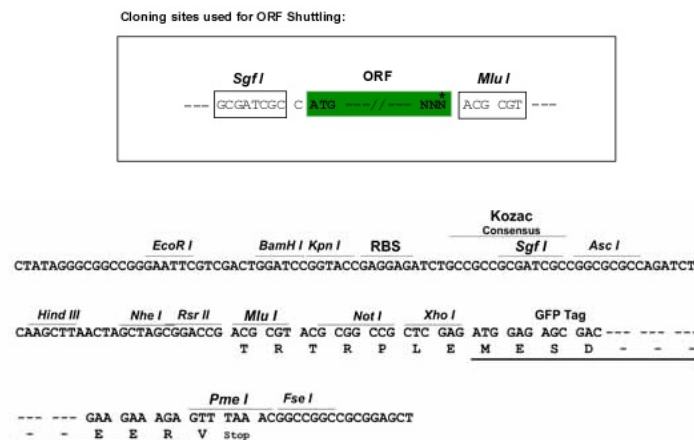
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237378
Blue=ORF Red=Cloning site Green=Tag(s)

MQKPAAMEKMSTLVLVMGSQKILGPFLKWKRSSSVQLKVVTHGLYQQLTLNTTSRLIEGCGKSFYVLQR
LKVHMRTHNGEKPFCHESGCGKQFTTAGNLKNHRIHTGEKPFLEAQGCGRSFAEYSSLRKHLVVHS
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SLGGESLNLPTNSILGVDDVLAEGSPRSLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQEVESCYV
AQAGVQWHHLGSLQPLPPEFKRFFCLSLSSWDHSY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNTVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSTMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242928

ORF Size: 950 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.

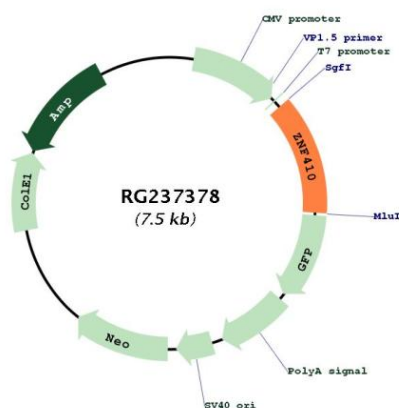
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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 RG237378