

Product datasheet for **MR207661**

Zfp410 (NM_144833) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Zfp410
Synonyms:	Apal; D12Ert748e; Znf410
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR207661 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTTCAGTTTGTTCAGAATACCTCCATCCCC
 TGGGACAAGGGCTAGTAGAATCAGAAGCTAAAGACATTACTTGCTTATCCCTCCTTCCAGTGACCGAGGC
 CTCAGAATGCAGCCGACTAATGTTACCAGATGAACTCCAATCATGCTAATTCCTCCAAGGAGGTCCCT
 TCTTCAGCTGTTTTGAGGAGCCTTCAGGTGAATGTGGGCCAGACGGAGAAGAGACAAGGGCTCAGACTG
 TACAGAAGTCCCAGAGTTCCTGACCACACCAGAGTCGCCTAGCTTGTTGCAAGATCTACAGCCAAGTGA
 TAGCACTTCCCTTCACTTCTGAACCTAACGAGAGCAGGGCTGGGCTCTTCAGCTGAGCACTTTGTGTTT
 GTTCAGGATGAGACAGAGGACTCAGGGGCTGACTTCTCTCTGCTGAGAGCACAGACAGCAGTATCCCAT
 GGTTCTCCGGTTCAGGAAGTGGCCCATGACAGTCTGATTGCGGCTACTCGTGCACAGCTGGCCAAGAA
 TGCAAAAATGGCAGCAATGGAGAAAATGTCCACCTTGGCTCTGGTGATGGCAACCAAAAGACTCTGGT
 CCCCTTCTCAAGCGGAGAAGAAGCTCAAGTGCACAGTTGAAGGCTGTGACCGGACATTTGTGTGGCCAG
 CTCACTTCAAGTACCACCTTAAACTCACCAGAAATGAGCGCTCCTTCATCTGCCTGCAGAAGGTTGTGG
 GAAAAGCTTTATGTGCTGCAGAGGCTGAAGGTGCACATGAGGACACACAATGGGGAGAAACCTTTATG
 TGCCACGAGTCTGGGTGTTAAGCAGTTCCTACAGCTGGGAACCTGAAGAACCACCGCGCATCCACA
 CAGGAGAGAAGCCTTTTCTGTGAAGCCAGGGATGTGGCCGTTCTTTGCTGAGTATTCAAGCCTCCG
 GAAACATCTGGTAGTTCCTCAGGTGAGAAGCCTCATCAGTGCCAGGTCTGTGGGAAGACCTTCTCTCAG
 AGTGGGAGTAGGAATGTGCATATGAGAAAGCATCACTTGCAGCTGGGGACAACCTGGGAGTCAAGAACAGG
 ATCAAACCGCCGAGCCACTAATGGGCAGTAGTTTGCTTGAAGACGCTTCAGTTCCTCAATAAAACCTGGT
 GTCTATGAATTCCAGTCCAGCCTTGGTGAGAGTCTTGAATCTATCAAAATACCAATTCTATCCTTGGG
 GTTGATGATGAGGTGCTTACTGAAAGAGCCTCACGGCCCTGTCTTCTGTGCCTGATGTGACACATCACT
 TGGTGACCATGCAGTCAGGAGGCAGTCTATGAAGTTTCTGTCTTAAGTGCAGTAAATCCGAGGAGTT
 ACTAAACCAAGGAGATTTAACTGAAAGACAGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR207661 protein sequence
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLPVTEASECSRLMLPDETPNHANSSKEVP
 SSAVLRSLQVNVGPDGEETRAQTVQKSPEFLTTPESPSLLQDLQPSDSTSFILLNLTRAGLGSSAEHFVF
 VQDETEDSGADFLSAESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTGSNGENVHLGSGDGPQKDSG
 PLPQAEKKLKCTVEGCDRTFVWPAHFYHLKTHRNERSFICPAEGCGKSFYVLQRLKVHMRTHNGEKP
 CHESGCGKQFTTAGNLKNHRIHTGEKPFLEAQGCGRSFAEYSSLRKHLVVHSGEKPHQCQVCGKTF
 SQSGSRNVHMRKHLQLGTTGSQEQDQTAELMGSSLLEDASVPKNLVSMSQSSLGESLNLSENTNSILG
 VDDEVLTERRASRPLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQELLNQDLTERQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144833

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.

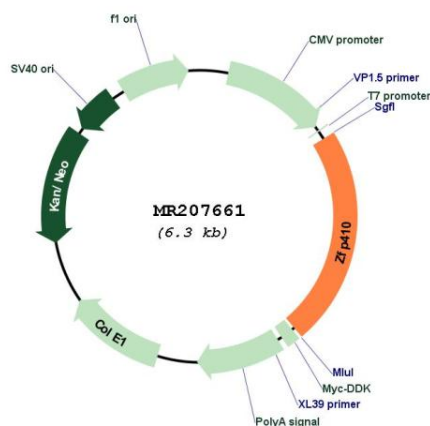
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_144833.4](#)

RefSeq Size: 2697 bp

RefSeq ORF:	1437 bp
Locus ID:	52708
UniProt ID:	Q8BKX7
Cytogenetics:	12 39.15 cM
MW:	52.2 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 MR207661