

Product datasheet for **MG207661**

Zfp410 (NM_144833) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp410
Synonyms:	Apal; D12Erttd748e; Znf410
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG207661 representing NM_144833
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTTCAGTTTGTTCAGAATACCTCCATCCCC
 TGGGACAAGGGCTAGTAGAATCAGAAGCTAAAGACATTACTTGCTTATCCCTCCTTCCAGTGACCGAGGC
 CTCAGAATGCAGCCGACTAATGTTACCAGATGAAACTCCAAATCATGCTAATTCCTCCAAGGAGGTCCCT
 TCTTCAGCTGTTTTGAGGAGCCTTCAGGTGAATGTGGGCCAGACGGAGAAGAGACAAGGGCTCAGACTG
 TACAGAAGTCCCAGAGTTCTTGACCACACCAGAGTCGCCTAGCTTGTTGCAAGATCTACAGCCAAGTGA
 TAGCACTTCCCTTCACTTCTGAACCTAACGAGAGCAGGGCTGGGCTCTTCAGCTGAGCACTTTGTGTTT
 GTTCAGGATGAGACAGAGGACTCAGGGGCTGACTTCTCTCTGCTGAGAGCACAGACAGCAGTATCCCAT
 GGTTCTCCGGTTCAGGAAGTGGCCCATGACAGTCTGATTGCGGCTACTCGTGCACAGCTGGCCAAGAA
 TGCAAAAATGGCAGCAATGGAGAAAATGTCCACCTTGGCTCTGGTGATGGGCAACCAAAAGACTCTGGT
 CCCCTTCTCAAGCGGAGAAGAAGCTCAAGTGCACAGTTGAAGGCTGTGACCGGACATTTGTGTGGCCAG
 CTCACTTCAAGTACCACCTTAAACTCACCAGAAATGAGCGCTCTTCATCTGCCTGCAGAAGGTTGTGG
 GAAAAGCTTTATGTGCTGCAGAGGCTGAAGGTGCACATGAGGACACACAATGGGGAGAAACCCCTTATG
 TGCCACGAGTCTGGGTGTTAAGCAGTTCACTACAGCTGGGAACCTGAAGAACCACCGCGCATCCACA
 CAGGAGAGAAGCCTTTCTCTGTGAAGCCAGGGATGTGGCCGTTCTTTGCTGAGTATTCAAGCCTCCG
 GAAACATCTGGTAGTTCACTCAGGTGAGAAGCCTCATCAGTGCCAGGTCTGTGGGAAGACCTTCTCTCAG
 AGTGGGAGTAGGAATGTGCATATGAGAAAGCATCACTTGCAGCTGGGGACAACCTGGGAGTCAAGAACAGG
 ATCAAACCGCCGAGCCACTAATGGGCAGTAGTTTGCTTGAAGACGCTTCAGTCCCAATAAAACCTGGT
 GTCTATGAATTCCAGTCCAGCCTTGGTGGAGAGTCCTTGAATCTATCAAATACCAATTCTATCCTTGA
 GTTGATGATGAGGTGCTTACTGAAAGAGCCTCACGGCCCTGTCTTCTGTGCCTGATGTGACACATCACT
 TGGTGACCATGCAGTCAGGAGGCAGTCTATGAAGTTTCTGTCTTAAGTGCAGTAAATCCGAGGAGTT
 ACTAAACCAAGGAGATTTAACTGAAAGACAGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG207661 representing NM_144833
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLPVTEASECSRMLPDETPNHANSSKEVP
 SSAVLRSLQVNVGPDGEETRAQTVQKSPEFLTTPESPLLQDLQPSDSTSFILLNLTRAGLGSSAEHFVF
 VQDETEDSGADFLSAESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTGSNGENVHLGSGDGQPKDSG
 PLPQAEKKLKCTVEGCDRTFVWPAHFYHLKTHRNERSFICPAEGCGKSFYVLQRLKVHMRTHNGEKPFM
 CHESGCGKQFTTAGNLKNHRIHTGEKPFLEAQCGGRSFAEYSSLRKHLVVHSGEKP HQVCQVCGKTF SQ
 SGRNVHMRKHHLQLGTTGSQEQDQTAEPLMGSSLLEDASVPKNLVSMSQSSLGGESLNLSTNSILG
 VDDEVLTERRASRPLSSVPDVTHHLVTMQSGRQSYEVSVLTAVNPQELLNQGDLTERQT

TRTRPLE - GFP Tag - V

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:

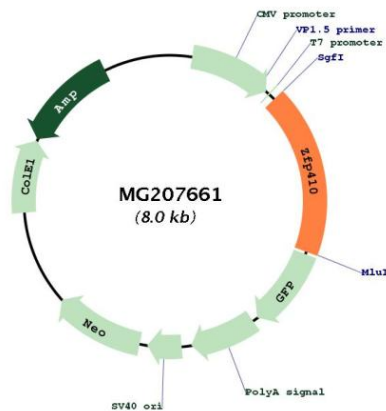
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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:	2399 bp
RefSeq ORF:	1437 bp
Locus ID:	52708
UniProt ID:	Q8BKX7
Cytogenetics:	12 39.15 cM
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 MG207661