

## Product datasheet for **MR229406**

### Zfp410 (NM\_001252582) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zfp410 (NM\_001252582) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Zfp410  
**Synonyms:** Apa1; D12Ertd748e; Znf410  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229406 representing NM\_001252582  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTTCAGTTTGTTCAGAATACCTCCATCCCC  
TGGGACAAGGGCTAGTAGAATCAGAAGCTAAAGACATTACTTGCTTATCCCTCCTCCAGTGACCGAGGC  
CTCAGAATGCAGCCGACTAATGTTACCAGATGAACTCCAAATCATGCTAATTCCTCCAAGGAGTCCCT  
TCTTCAGCTGTTTTGAGGAGCCTTCAGGTGAATGTGGGCCAGACGGAGAAGAGACAAGGGCTCAGACTG  
TACAGAAGTCCCCAGAGTTCCTGACCACACCAGAGTCGCCTAGCTTGTGCAAGATCTACAGCCAAGTGA  
TAGCACTTCTTCATTCTCTGAACCTAACGAGAGCAGGGCTGGGCTCTTCAGCTGAGCACTTTGTGTTT  
GTTCAGGATGAGACAGAGGACTCAGGGGCTGACTTCTCTCTGCTGAGAGCACAGACAGCAGTATCCCAT  
GGTTCTCCGGGTTCCAGGAAGTGGCCATGACAGTCTGATTGCGGCTACTCGTGACAGCTGGCCAAAGAA  
TGCAAAAAGTGGCAGCAATGGAGAAAATGTCCACCTTGGCTCTGGTGTGGGCAACCAAAAGACTCTGGT  
CCCCTTCTCAAGCGGAGAAGAAGCTCAAGTGACAGTTGAAGGCTGTGACCGGACATTTGTGTGGCCAG  
CTCACTTCAAGTACCACCTTAAAACTCACCGAAATGAGCGCTCCTTCATCTGCCCTGCAGAAGGTTGTGG  
GAAAAGCTTTTATGTGCTGCAGAGGCTGAAGGTGCACATGAGGACACACAATGGGGAGAAAACCTTTATG  
TGCCACGAGTCTGGTGTGGTAAGCAGTTCACTACAGCTGGGAACCTGAAGAACCACCGGCGCATCCACA  
CAGGAGAGAAGCCTTTTCTGTGAAGCCAGGGATGTGGCCGTTCTTTGCTGAGTATTCAAGCCTCCG  
GAAACATCTGGTAGTTCCTCAGGTACGAGAACCCTGTGCCATTTGTAGACCTCAAATACAG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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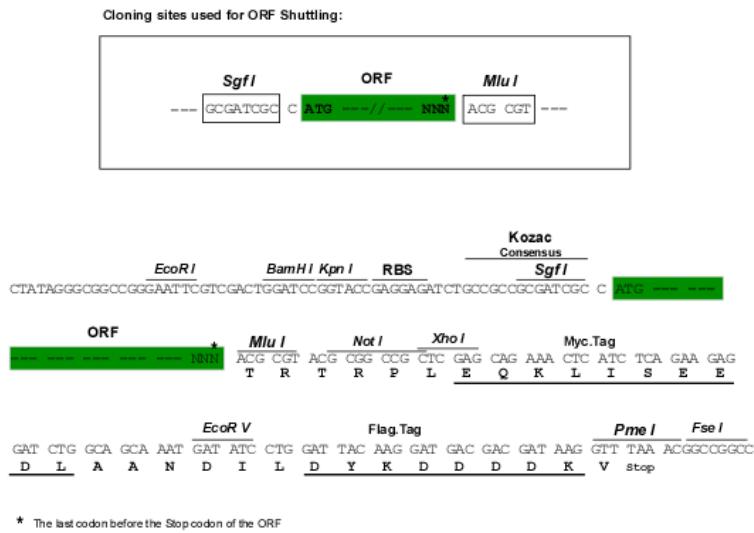
**Protein Sequence:** >MR229406 representing NM\_001252582  
 Red=Cloning site Green=Tags(s)

MLSDELESKPELLVQFVQNTSIPLGQGLVESEAKDITCLSLLPVTEASECSRLMLPDETPNHANSSKEVP  
 SSAVLRSLQVNVGPDGEEETRAQTVQKSPEFLTPESPILLQDLQPSDSTSFILLNLTRAGLGSSAEHFVF  
 VQDETEDSGADFLSAESTDSSIPWFLRVQELAHDSLIAATRAQLAKNAKTGSENGENVHLGSGDGPQKDSG  
 PLPQAEKLLKCTVEGCDRTFVWPAHFKYHLKTHRNSFICPAEGCGKSFYVLQRLKVMRTHNGEKPDM  
 CHESGCGKQFTTAGNLKNHRIHTGEKPFLEAQCGRSFAEYSSLRKHLVVHSGTRTCAICRPQIQ

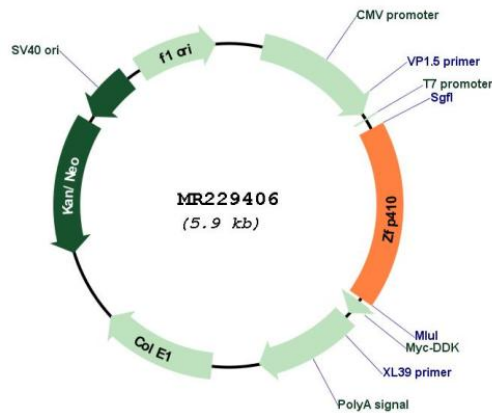
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001252582

**ORF Size:** 1041 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001252582.2</a>
<b>RefSeq Size:</b>	2606 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	52708
<b>UniProt ID:</b>	<a href="#">Q8BKX7</a>
<b>Cytogenetics:</b>	12 39.15 cM
<b>MW:</b>	38.5 kDa
<b>Gene Summary:</b>	Transcription factor that activates transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence.[UniProtKB/Swiss-Prot Function]