

## Product datasheet for MC227195

### Zfp410 (NM\_001252582) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Zfp410 (NM\_001252582) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Zfp410  
 Synonyms: Apa1; D12Ertd748e; Znf410  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC227195 representing NM\_001252582  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTATCAGATGAGTTAGAATCCAAACCAGAGCTCCTGGTTCAGTTTGTTCAGAATACCTCCATCCCC  
 TGGACAAGGGCTAGTAGAATCAGAAGCTAAAGACATTACTTGCTTATCCCTCCTCCAGTGACCGAGGC  
 CTCAGAATGCAGCCGACTAATGTTACCAGATGAACTCCAAATCATGCTAATTCCTCCAAGGAGTCCCT  
 TCTTCAGCTGTTTTGAGGAGCCTTCAGGTGAATGTGGGCCAGACGGAGAAGAGACAAGGGCTCAGACTG  
 TACAGAAGTCCCCAGAGTTCCTGACCACACCAGAGTCGCCTAGCTTGTGCAAGATCTACAGCCAAGTGA  
 TAGCACTTCCTTCATTCTCTGAACCTAACGAGAGCAGGGCTGGGCTCTTCAGCTGAGCACTTTGTGTTT  
 GTTCAGGATGAGACAGAGGACTCAGGGGCTGACTTCCTCTCTGCTGAGAGCACAGACAGCAGTATCCCAT  
 GGTTCTCCGGGTTCAAGAACTGGCCCATGACAGTCTGATTGCGGCTACTCGTGACAGCTGGCCAAAGAA  
 TGCAAAAACCTGGCAGCAATGGAGAAAATGTCCACCTTGGCTCTGGTGATGGGCAACCAAAAGACTCTGGT  
 CCCCTTCCTCAAGCGGAGAAGAAGCTCAAGTGACAGTTGAAGGCTGTGACCGGACATTTGTGTGGCCAG  
 CTCACCTCAAGTACCACCTTAAAACCTACCCGAAATGAGCGCTCCTTCATCTGCCCTGCAGAAGGTTGTGG  
 GAAAAGCTTTTATGTGCTGCAGAGGCTGAAGGTGCACATGAGGACACACAATGGGGAGAAAACCCCTTTATG  
 TGCCACGAGTCTGGGTGTGGTAAGCAGTTCACTACAGCTGGGAACCTGAAGAACCACCGGCGCATCCACA  
 CAGGAGAGAAGCCTTTCTCTGTGAAGCCAGGGATGTGGCCGTTCCCTTGTGAGTATTCAAGCCTCCG  
 GAAACATCTGGTAGTTCAGTACGAGAACCTGTGCCATTTGTAGACCTCAAATACAG**TAA**

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001252582



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<b>Insert Size:</b>	1044 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001252582.1</a></u> , <u><a href="#">NP_001239511.1</a></u>
<b>RefSeq Size:</b>	2606 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	52708
<b>UniProt ID:</b>	<u><a href="#">Q8BKX7</a></u>
<b>Cytogenetics:</b>	12 39.15 cM
<b>Gene Summary:</b>	<p>Transcription factor that activates transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks several exons and its transcription extends past a splice site that is used in variant 1, resulting in a distinct 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>