

## Product datasheet for MC226489

### Zfp422 (NM\_001302440) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp422 (NM_001302440) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp422
Synonyms:	2900028O21Rik; AU041373; KOX1; KOX15; Krox; Krox-; Krox-25; Krox-25-2; Krox-26; Krox25; Krox26; Znf22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226489 representing NM_001302440 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAGGTTAGGAAAGCCCAAAGGGGTATTTCTGAAGCGCCAGCCAAGGAAAAGCCTATGAGAGCAAGC  
 GCAAGACAGCCCCGACGACAGAAATGGGGGTGGCCATTTCGCTTCGACTCGGGCTTGAGTCGACGGAG  
 AAGGAACGTGGACGAGAAGCCTTACAAGTGTGCTAAATGCTCCAAGAGTTTCAGTCAGAGCTCCACGCTC  
 TTTCAGCACAAGAAGATCCATACTGGGAAGAAATCCATAAATGTGCCGATTGTGGGAAAAGTTTCTTTC  
 AGAGTTCTAACCTCATCCAGCACCAGGATCCACACGGGGGAAAAGCCCTATAAGTGTGACGAGTGTGG  
 AGAGAGATTCAAGCAGAGCTCCAATCTCATCCAGCACCAGAGGATCCACACGGCGAGAAGCCCTACTGC  
 TGTGATGAGTGTGGCCGTGCTTTAGCCAGAGTCCCACCTCATTAGCACCAGAGAACCACACGGAG  
 AGAAGCCCTACCAAGTGTGAGGAGTGTGACAAGTGTTCAGCCAGAGCTCCCATCTGAGGCAGCACATGAA  
 GGTGCACAAAGAAAAGAACCCACATAAGAGGGGCAAAAATGCCAGGGTGAAGAACTCACCCGGTGTCTGG  
 AAAAGGGGCAAGGGAGGAAGGCGGTGGCTGGGATCCGCCAGGTAAGGGAGGCCACTTCCGGCCTTTTAA  
 AAAAGAAGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001302440
Insert Size:	714 bp


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<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001302440.1, NP_001289369.1</u>
<b>RefSeq Size:</b>	3411 bp
<b>RefSeq ORF:</b>	714 bp
<b>Locus ID:</b>	67255
<b>UniProt ID:</b>	<u>Q9ERU3</u>
<b>Cytogenetics:</b>	6 E3
<b>Gene Summary:</b>	<p>This gene encodes a putative C2H2 zinc finger transcription factor that may play a role in tooth development. A pseudogene related to this gene is located on chromosome 17.</p> <p>Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>