

## Product datasheet for **MC226489**

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

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Zfp422
<b>Synonyms:</b>	2900028O2IRik; AU041373; KOX1; KOX15; Krox; Krox-; Krox-25; Krox-25-2; Krox-26; Krox25; Krox26; Znf22
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >MC226489 representing NM\_001302440  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGTTAGGAAAGCCCAAAGGGGGTATTTCTCGAAGCGCCAGCCAAGGAAAAGCCTATGAGAGCAAGC  
GCAAGACAGCCCGCCAGCGACAGAAATGGGGGTGGCCATTCGCTTCGACTCGGGCTTGAGTCGACGGAG  
AAGGAACGTGGACGAGAAGCCTTACAAGTGTGCTAAATGCTCCAAGAGTTTCAGTCAGAGCTCCACGCTC  
TTTCAGCACAAAGAGATCCATACTGGGAAGAAAATCCATAAATGTGCCGATTGTGGGAAAAGTTTCTTTC  
AGAGTTCTAACCTCATCCAGCACCGGGGATCCACACGGGGAAAAGCCCTATAAGTGTGACGAGTGTGG  
AGAGAGATTCAAGCAGAGCTCCAATCTCATCCAGCACCAGAGGATCCACACCGGCGAGAAGCCCTACTGC  
TGTGATGAGTGTGGCCGGTGCTTTAGCCAGAGTCCCACCTCATTAGCACCAGAGAACCCACACGGAG  
AGAAGCCCTACAGTGTGAGGAGTGTGACAAGTGTTCAGCCAGAGCTCCCATCTGAGGCAGCACATGAA  
GGTGCACAAAGAAAAGCCACATAAGAGGGGCAAAAATGCCAGGGTAAAACCTACCCGGTGTCTCTGG  
AAAAGGGGCAAAGGAGGAAGGCGGTGGTGGGATCCGCCAGGTAAGGGAGCCACTCCGGCCTTTTAA  
AAAAGAAGAAG**TGA**

**ACGCGT**ACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_001302440
<b>Insert Size:</b>	714 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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001302440.1</a> , <a href="#">NP_001289369.1</a>
<b>RefSeq Size:</b>	3411 bp
<b>RefSeq ORF:</b>	714 bp
<b>Locus ID:</b>	67255
<b>UniProt ID:</b>	<a href="#">Q9ERU3</a>
<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. 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>