

## Product datasheet for RN211954

### Zfp423 (NM\_053583) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp423 (NM_053583) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zfp423
Synonyms:	Roaz; Znf423
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211954 representing NM_053583 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCCAGGCGGAAGCAGGCGAAGCCGCGATCGGTGAAAGTTGAAGAGGGGGAGGCTCGGACTTCTCGC  
TGGCCTGGGATTCCTCTGTGGCAGCAGCGGAGGCTAGAAGGAGAGTCAGAGTGTGATCGGAAATCCAG  
CCGTGCGCTGGAAGACAGGAACAGCGTGACAAGTCAAGAGGAGAGAAACGAGGACGATGAAGATGTGGAA  
GATGAGTCAATTTACACCTGCGATCACTGTGAGCAGGACTTCGAGTCTCTGGCAGACCTGACGGACCACC  
GGCCCCACCGCTGTCTGGAGATGGTGTGACGACCCACAGCTCTCTGGGTGGTTCATCTCCCTCCAG  
CAAGGATGTTGCGTCACCCACGCAGATGATCGGCGATGGTTGTGACCTTGGCCTCGGCGAGGAGGAAGGC  
GGCACC GGCTGCCGTACCCTTGCCAGTTCTGCGACAAGTCCCTCATCCGCTGAGCTACTTGAAGAGGC  
ATGAACAGATCCACAGCGACAAGCTGCCGTTCAAGTGCACCTTCTGCAGCCGCTCTTCAAACACAAGAG  
GAGCCGGGACCGGCACATCAAGCTGCACACAGGCGACAAGAAGTACCACTGCCACGAGTGCAGGGCGGCT  
TTCTCCCGCAGGGACCACCTCAAGATCCACCTGAAGACCCACAGCTCCAGCAAGCCGTTCAAGTGCAGCG  
TGTGCAAACGCGGTTCTCTCCACAGTCCCTGCAGAGCCACATGCAGGCCACAAGAAGAATAAGGA  
ACACCTGGCTAAGTCAGAGAAGGAAGCCAAGAAGGACGACTTCATGTGTGACTACTGCGAGGACACCTTT  
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AGTGTATCCACTGCCCGAGGTCTTTGTGACGAGAGCAGCTGCTGGCCACATCCACCAAGCTCACGC  
CAACCAGAAACAAGTGCCCATGTGCCCTGAGCAGTTCTCTCCGTGGAGGGTGTGTACTGCCACCTG  
GACAGCCACCGGCAGCCTGATCCAGCAATCACAGTGTGACGCCCCGACCCGCTGCTGGCAGTGTGGCTT  
CCATGAGCAGTGTACACCTGACTCGACGCCCCGACCCGCTGCTGGCAGTGTGGCTTCCATGAGCAGTGC  
TACACCTGACTCGAGCGCTCTGTGGAGCGGGTCCACGCCAGACTCCACCTTGAAGCCGCTGAGGGGG  
CAGAAGAAGATGCGGGATGACGGGCAGAGCTGGTCCAAGTTGTCTACAGCTGCCCTACTGTTCTAAGC  
GGGACTTTACCAGCCTGGCTGTGCTAGAGATTCATCTGAAGACCATTACGCGGACAAACCTCAGCAGAG  
TCACACGTGTGAGATTTGCCCTGGACTCCATGCCACGCTCTACAACCTCAACGAGCATGTGCGCAAGCTG  
CACAAGAGCCACGCTTACCCCGTCATGCAATTCGGAACATCTCCGCTTCCACTGCAACTACTGCCCCG



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AGATGTTGCGGGACATCAACAGCCTGCAGGAGCACATCCGAGTCTCGACTGTGGCCCAATGCCAACCC  
 CCCCAGCGGGAACAATGCTTTCTTCTGTAAACAGTGTCTATGGGCTTTCTCACTGAATCCTCCCTCACA  
 GAGCACATCCAACAGGCACACTGCAGTGTGGGGAGCACCAGCTGGAGTCTCCCGTTATCCAGCCCACAC  
 AGTCCTTCATGGAGGTCTACTCTGCCCTTACTGTACCAACTCCCTATCTTTGGCTCCATCCTGAAGCT  
 CACTAAGCACATCAAAGAGAACCACAAGAATCCCGTTGGCACACAGCAAGAAGTCCAAGGCGGAGCAG  
 AGTCCGGTCTCCTCTGACGTGAGGTGTCTTCCCGAAACGACAGCGCCTCTCGGGGAGTGCCAACTCCA  
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 CAGCACCGAGGTGGAGTCCAGTCCACATCACCACGCACAGCAAGAAGTACAATTGCAGGTTCTGCAGC  
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 CATGCTGCTCAAGAACCCTGAGGCACCGAACAGCCACGAGGCCAGTGAGGACGATGTGGATGCATCAGAG  
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 GGGATCATAACATCCGGCCCGGAGAGGACGATGGCTCACGCAAGAAGGCAGAGTTCATAAAGGGCAGCCA  
 CAAGTGTAACTGTGCTCTCGGACTTTCTTCTCGGAGAACGGGCTCCGGGAACACCTGCAGACGCCCGG  
 GGCCCTGCCAAGCACTACATGTGTCCCATCTGTGGCGAGCGCTTCCCCTCGCTGCTGACGCTCACTGAGC  
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 GGAGGAGTTTATCGAGCACTGCCAGATGCACCCGACTTGGGAACTCCCTCACTGGTTTTCCGCTGTGTG  
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 CTGGCAGCTCAGCTGTTCTCCTCCCAATGGCCAGGGGCTGCAGAAGCTTACAAGTGCGCCCTGTGCCT  
 CAAAGAGTTCCGTAGCAAGCAGGACCTGGTCAGGCTTGACGTCAATGGGCTGCCCTATGGCCTATGTGCC  
 GGCTGCATGGCCCGTAGTGCCAATGGACAGGTGGGTGGCTGGCCCAACCCGAACCTGCCGACCGCCCT  
 GCGCTGGCCTCCGCTGCCCTGAATGTAACGTGAAGTTTGAGAGTGTGAGGACCTGGAGACCCACATGCA  
 GGTGGACCACCGTATCTTACCCAGAGACCAGTGGGCCCGGAAAGGTGCCAGACGTACCAGTGCCC  
 CGGAAGAAGACGTACCAGTGCATCAAGTGCCAGATGACCTTCGAGAACGAGAGAGATCCAGATCCAGG  
 TCGCCAACCACATGATCGAGGAAGGCATCAACCATGAGTGAAGCTGTGCAACCAGATGTTGACTCCCC  
 AGCCAAGCTCCTTTGTCACCTCATCGAACACAGCTTCGAGGGCATGGGTGGTACTTTCAAGTGCCCCGTG  
 TGCTTACAGTCTTCGTCCAGGCCAACAAAGCTGCAACAGCACATCTTCGCCGTGCACGGGACGAGGAGACA  
 AAATCTACGACTGCTCGCAGTGCCACAGAAGTTTTCTTCCAGACAGAGTTGCAGAACCACACGATGAG  
 CCAGCACGCACAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053583
- Insert Size:** 3936 bp
- OTI Disclaimer:** 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).
- 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.

**RefSeq:** [NM\\_053583.2](#), [NP\\_446035.2](#)

**RefSeq Size:** 4667 bp

**RefSeq ORF:** 3936 bp

**Locus ID:** 94188

**UniProt ID:** [O08961](#)

**Cytogenetics:** 19p11

**Gene Summary:** zinc finger protein that interacts with the Olf-1/EBF transcription factor; plays a role in regulation of differentiation of olfactory neurons [RGD, Feb 2006]