

## Product datasheet for **SC316594**

### ZNF423 (NM\_015069) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZNF423 (NM\_015069) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ZNF423  
**Synonyms:** Ebfaz; hOAZ; JBTS19; NPHP14; OAZ; Roaz; Zfp104; ZFP423  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_015069 edited  
 ATGCATAAGAAGAGGGTTGAAGAGGGGGAGGCCTCAGACTTCTCGCTGGCCTGGGATTCC  
 TCCGTGACAGCAGCAGGAGGCCTAGAAGGAGAGCCAGAGTGCGATCAGAAAACCAGCCGT  
 GCGCTGGAAGACAGGAACAGCGTGACAAGTCAAGAGGAGAGAAAATGAGGATGATGAAGAC  
 ATGGAGGATGAATCAATTTACACCTGCGATCACTGTCAGCAGGACTTCGAGTCTCTGGCA  
 GACCTGACGGACCACCGGCCACCGCTGTCTGGAGATGGTGATGACGACCCACAACCTC  
 TCCTGGGTGGCCTCGTCTCCCTCCAGCAAGGATGTTGCGTCACCCACGCAGATGATCGGA  
 GATGGTTGTGACCTCGGCTCGGGCAGGAGGAAGGGGGCACGGGCCTGCCATACCCTTGC  
 CAGTTCTGCGACAAGTCTTTCATCCGCTTGAGCTACTTGAAGAGGCAGCAGATCCAC  
 AGCGACAAGTGGCGTTCAAGTGCACCTACTGCAGCCGCCTCTTCAAGCACAAGAGGAGC  
 CGCGACCGGCACATCAAGCTGCATACGGGCGACAAGAAGTATCACTGCCACGAGTGCGAG  
 GCAGCCTTCTCCCGCAGCGACCCTCAAGATCCACCTGAAGACCCACAGCTCCAGCAAG  
 CCCTTCAAGTGCCTGTGTGCAAGCGCGCTTCTCCTCCACCAGCTCGCTGCAGAGCCAC  
 ATGCAGGCCACAAAAAGAAACAAGGAGCATCTGGCCAAGTCGGAGAAGGAAGCCAAGAAG  
 GACGACTTTCATGTGCGACTACTGCGAGGACACCTTCAGCCAGACGGAGGAGCTGGAGAAG  
 CACGTGCTCACCCGCCACCCGACGTGTCCGAGAAGGCGGACCTGCAGTGCATTCCTACTGC  
 CCTGAGGTCTTCGTGACGAGAAACACTGCTCGCCATATCCACCAAGCCCACGCCAAC  
 CAGAAACACAAGTGCCCCATGTGCCCTGAGCAGTTCTCCTCAGTGAAGGTGTCTACTGC  
 CACCTGGACAGCCACCGCAGCCGACTCCAGCAACCACAGTGTGAGTCCCGACCCTGTA  
 CTGGGCAGCGTGGCTCCATGAGCAGCGCCACCCGACTCCAGCGCCTCTGTGGAGCGT  
 GGCTCCACCCCGACTCCACCTTGAAGCCGCTGCGGGGGCAGAAGAAGATGCGGGATGAC  
 GGGCAGGGCTGGACCAAGGTGGTCTATAGCTGCCCTATTGTTCCAAGCGGGACTTTAAC  
 AGCCTGGCCGTGCTGGAGATCCACCTGAAGACCATCCACGCGGACAAGCCCCAGCAGAGC  
 CACACATGTCAGATCTGCCTGGACTCCATGCCACCCTCTACAACCTCAACGAGCACGTT  
 CGCAAGCTGCACAAGAACCATGCCTACCCTGTGATGCAGTTTGGCAACATCTCTGCCTTC  
 CACTGCAACTACTGCCCCGAGATGTTCCGCCGACATCAATAGCCTGCAGGAGCACATCCGC  
 GTCTCCCACTGCGGCCCAACGCCAACCCCTCTGACGGTAATAATGCTTCTTCTGCAAC



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CAGTGCTCCATGGGTTTCTTACTGAGTCTCCCTCACCAGCACATCCAGCAGGCCAC  
TGCAGTGTGGCAGTGCCAACTAGAGTCTCCGGTGGTGCAGCCACGCAGTCTTCATG  
GAGGTCTATTCCTGCCCTACTGCACCAACTCCCCATCTTTGGCTCCATCCTGAAACTC  
ACCAAGCACATCAAGGAGAACCACAAGAATTCCACTGGCCACAGCAAGAAGTCCAAG  
GCCGAGCAGAGCCAGTCTCGTCCGATGTGGAGGTGTCTTCCCGAAGCGGCAGCGGCTC  
TCAGCAAGCGCCAACCTCCATCTCCAATGGGGAGTATCCTTGCAATCAATGCGACCTCAAG  
TTCTCCAACCTTGGAGGCTTCCAGACCCACCTGAAGCTGCACCTGGAGCTGCTGTGCGG  
AAGCAAGCGTGGCCCAAGTGCAAAGAGGACTTTGACTCCAGGAGTCCCTCCTGCAGCAC  
CTGACAGTGCATTACATGACCACGTGACCCACTATGTGTGCGAGAGCTGCGACAAGCAA  
TTTTCTCGTGGATGACCTGCAGAAGCACCTGTGGACATGCACACCTTTGTGTGTAC  
CACTGCACCTGTGTCAGGAGGTCTTCGACTCCAAGGTGCCATCCAGGTGCACCTGGCG  
GTGAAGCACAGCAATGAGAAGAAGATGTACCGCTGCACGGCTGCAACTGGGACTCCGC  
AAGGAGGTGACCTGCAGGTGCACGTCAAACACAGCCACCTGGGCAACCCGGCCAAGGT  
CACAAGTGATCTTCTGTGGGAGACCTTCAGCACCGAGGTGGAGCTGCAGTGCCACATC  
ACCACACACAGCAAGAAGTATAACTGTAAGTTCTGCAGCAAGGCCTTCCACGCCATCATC  
CTGCTGGAGAAGCACCTGCGGGAGAAGCACTGTGTGTTGATGTGCGACCGAGAACGGC  
ACGGCCAATGGGGTACCCCAATGGCCACCAAGAAAGCTGAGCCTGCTGACCTGCAGGGC  
ATGCTGTTAAGAACCCTGAGGCACCTAACAGCCATGAGGCCAGCGAGGATGACGTGGAC  
GCGTGGAGCCCATGTACGGCTGTGACATCTGCGGGGCGGCTACACCATGGAGGTGCTG  
CTGCAGAAACACCGGCTGCGGGACCACAATATCCGGCCGGGCGAGGATGATGGCTCACGC  
AAGAAGGTGAGTTTATCAAGGGCAGTCACAAGTGAACGTTTGTTCACGGACTTTCTTC  
TCGGAAACCGGCTACGGGAGCACCTGCAGACGCCACCGGGCCCTGCCAAGCACTACATG  
TGTCCTCTGTGGTGTGAGCGCTTCCCTTCGCTGCTGACGCTACCGAACAACAAGGTGAC  
CACAGCAAGAGCCTGGACACGGGCACCTGTCGATCTGCAAGATGCCCTGCAGAGCGAG  
GAGGAGTTTATTGAGCACTGCCAGATGCACCCTGACCTGCGCAACTCACTCACGGCTTC  
CGCTGTGTGGTCTGCATGCAGACAGTCACTTCCACGTTGAGCTCAAGATCCATGGCACC  
TTCCACATGCAGAAGCTGGCGGGCAGCTCAGCGGCGTCTCCCCAATGGCCAGGGGCTG  
CAGAAGCTCTACAAGTGCGCCCTGTGCCTCAAGGAGTTCCGCAGCAAGCAGGACCTGGTG  
AAGCTTGACGTCAATGGGCTGCCCTACGGCTCTGCGCCGGCTGCATGGCCCGCAGCGCC  
AACGGACAGGTGGGTGGCTGGCCCGCCGAGCCCGCCGACCGGCCCTGTGCCGCTC  
CGTTGCCCGAGTGCAGTGTCAAGTTTGTAGAGTCCGAAGACCTGGAGAGCCACATGCAG  
GTGGACCACCGTACCTACGCCGAGACAGTGGGCCCGGAAAGGCACCCAGACATCG  
CCAGTGCCCCGAAAAAGACATACCAGTGCATCAAGTGCCAGATGACCTTCGAGAACGAG  
AGAGAGATCCAAATCCACGTTGCCAACCACATGATTGAGGAAGGCATCAACCACGAGTGT  
AAGCTGTGCAACCAGATGTTGACTCCCCGGCCAAGCTCTCTGTACCTCATTGAGCAC  
AGCTTCGAGGGCATGGGCGGCACCTTCAAATGCCCCGTGTGTTTACAGTCTTCGTCCAG  
GCCAACAAGTTGCAGCAGCACATCTTGGCGTGCACGGGCAGGAGGACAAGATCTACGAC  
TGCTCACAGTGCCTCAGAAGTTCTTCTCCAGACCGAGCTGCAGAACCACACGATGAGC  
CAGCACGCACAGTGA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015069 unedited  
 GGACATTGTATACGACTCCTATAGGGCGCCGCGTAATTCATGCATAAGCAAGAGGGTTG  
 AAGAGGGGGAGGCCTCAGACTTCTCGCTGGCCTGGGATTCTCCGTGACAGCAGCAGGAG  
 GCCTAGAAGGAGAGCCAGAGTGCATCAGAAAACCAGCCGTGCGTGGAAGACAGGAACA  
 GCGTGACAAGTCAAGAGGAGAGAAATGAGGATGATGAAGACATGGAGGATGAATCAATTT  
 ACACCTGCGATCACTGTACAGCAGGACTTCGAGTCTCTGGCAGACCTGACGGACCACCGGG  
 CCCACCGCTGTCTGGAGATGGTGATGACGACCCACAACCTCCTCGGGTGGCCTCGTCTC  
 CCTCCAGCAAGGATGTTGCGTCACCCACGCAGATGATCGGAGATGGTTGTGACCTCGGCC  
 TCGGCGAGGAGGAAGGGGGCACGGGCTGCCATACCCTTGCCAGTTCTGCGACAAGTCTT  
 TCATCCGCTTGAGCTACTTGAAGAGGCACGAGCAGATCCACAGCGACAAGCTGCCGTTCA  
 AGTGCACCTACTGCAGCCGCTCTTCAAGCACAAGAGGAGCCGCGACCGGCACATCAAGC  
 TGCATACGGGCGACAAGAAGTATCACTGCCACGAGTGCAGGACGCTTCTCCCGCAGCG  
 ACCACCTCAAGATCCACCTGAAGACCCACAGCTCCAGCAAGCCCTTCAAGTGCATGTGT  
 GCAAGCGCGGCTTCTCCTCCACCAGCTCGCTGCAGAGCCACATGCAGGCCACAAAAAGA  
 ACAAGGAGCATCTGGCCCAAGTCGGAGAAGGAAGCCAAGAGGACGACTTCATGTGCGACT  
 ACTGCGAGGACCACCTTTTCAGCCAGACGGAGAGCTGGAGAAGCAGTGTCTACCCCGCCA  
 CCCCAGCTGTGAGAGCGACCTGCATGCATTCACTGCCCTGGAGGTTCTTCGTGACG  
 AAGAAAAAACACTGCTCGCCCCATATATCA

**3' Read Nucleotide Sequence:**

>Forward primer walk for NM\_015069 unedited  
 GGGAGAAGATACAAATCCCGTTGCCACCCATGATAGAGAGAAGGCATCAACCACGAGTGT  
 AAGCTGTGCAACCAGAATGTTTCGACTCCCCGGCCAAGCTCCTCTGTACCTCATTGAGCA  
 CAGCTTCGAGGGCATGGGCGGCACCTTCAAATGCCCGTGTGTTTACAGTCTTCGTCCA  
 GGCCAACAAGTTGCAGCAGCACATCTTTGCCGTGCACGGGCAGGAGGACAAGATCTACGA  
 CTGCTCACAGTGCCCTCAGAAGTCTTCTTCCAGACCGAGCTGCAGAACCACACGATGAG  
 CCAGACGCACAGTGAGGGATCGCTCAACAGGACACCTTTCGTAGAAGGCTTCCCGGAG  
 ACGCCGTGGGAGGGCCATTTGAACATTACATCCAATCAAAGTGCATTTGCAACCCAGA  
 TGTAAAACTCTAATGATTTGGCCATGAGGCGCTGCTATTATAAGCAGCTGGAAATGAATA  
 TTAATGGCAGAGATTAAGTATTCCATGCTCAGTATTTTTTATTGCTCCTGCTACAGCTA  
 GTGTGCTTTTAGACTTTCCGCCGACACTACATTTCTAGAGTTAGAGAAACCTGCTTTTT  
 AAGGCTATTGCTTTGTTCTTTCATGTATTATATTGATAGTTTTTAAAAAAGAATTAGT  
 GTGATTTTTTTCTTTGCTTCTTTTTTTCTTTCTTGTTTTTCTTCCCCCACCCTTTT  
 ACCCCCTCGGTTAACTACTTTTAATTGCAATTCTAGTAATTGTGCATCGTGATGTGAT  
 TGCTTGGCTATGTCTGATATTTCTTTAATTTTTATAAAGACTATGCTTGTGATGAAAAA  
 GAAGAACAAAAATAAAAAAACTCGACCTCTAGATGGCGGCCCGCGTCAAGCTTGT  
 TTCTGAACAGATCCGGGTGGCAATCCCTGTGAACT

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_015069

**Insert Size:**

4500 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).

**OTI Annotation:**

The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.NA

**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\\_015069.2](#), [NP\\_055884.2](#)

**RefSeq Size:** 4846 bp

**RefSeq ORF:** 3855 bp

**Locus ID:** 23090

**UniProt ID:** [Q2M1K9](#)

**Cytogenetics:** 16q12.1

**Domains:** zf-C2H2

**Gene Summary:** The protein encoded by this gene is a nuclear protein that belongs to the family of Kruppel-like C2H2 zinc finger proteins. It functions as a DNA-binding transcription factor by using distinct zinc fingers in different signaling pathways. Thus, it is thought that this gene may have multiple roles in signal transduction during development. Mutations in this gene are associated with nephronophthisis-14 and Joubert syndrome-19. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2012]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.