

## Product datasheet for **MC219983**

### **Zfp143 (NM\_009281) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Zfp143 (NM_009281) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp143
Synonyms:	AA959806; AU015869; D7Ert805e; KRAB14; pHZ-1; SBF; Staf; Zfp79; Zfp80-rs1; Znf143
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219983 representing NM\_009281  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGTTAGCACAAATAAATCGGGATTCTCAGGGAATGACAGAATTTCTGGAGGAGGAATGGAGGCTC  
 AACATGTTACCCTGTGCCTGACGGAGGCAGTAACCGTGGCAGATGGTGACAATTTAGAAAAATATGGAAGG  
 TGTGAGTTTACAAGCTGTGACACTCGCAGACGGCTCTACTGCTTACATACAGCATAAATTCTAAAGACGGG  
 AGACTCATTGATGGCCAGGTCATTAGCTGGAAGATGGTCTGCTGCCTATGTTACAGCATGTCCCCATAC  
 CTAAGAGTAGGGACAGTTTGGCGCTGGAGGATGGGCAAGCAGTGCAGCTAGAAGACGGGACCCTGCATT  
 TATCCACCACACCTCGAAAGACAGTTATGACCAGAGCTCACTTCAGGCCGTTTCAAGTAGAAGATGGGACA  
 ACAGCTTATATCCACCATGCAGTGAAGTCCCACAGTCTGATACCATCTGGCAATTCAGGCTGATGGGA  
 CAGTGGCAGGGCTGCACACTGGGGATGCCACAATTGACCCAGATACCATTAGTGCCTTTGGAGCAGTACGC  
 AGCAAAGGTATCCATTGATGGCAGTACAGGTGTAACAAGTACAGGAATGATTGGAGAGAATGAGCAAGAG  
 AAAAAATGCAGATTGTCTTACAAGGCCATGCTACTCGGGTAACCTCTAAATCTCAGCAGAGTGGAGAAA  
 AGGCATTTTCGGTGCAAAATACGACGGCTGTGGGAACTCTATACAACAGCTCATCACCTTAAAGTCCATGA  
 GCGCTCACACACAGGAGACCGGCCTTACCAGTGTGAGCATTACAGGCTGTGGGAAAGCATTGCAACAGGT  
 TATGGATTAAGAAAGTCATTTTCAAGACTCATCTGGAGAAAAGCCATATCGGTGTTTCAAGAGATAATTGTA  
 CAAAGTCTTTCAAACCTCAGGAGATCTACAGAAGCACATCAGAACCATACAGGAGAAAGGCCCTTTAA  
 GTGTCCTATTGAAGGCTGTGGTCCGTCCTTTACCACATCAAATATCAGAAAAGTGACATTAGGACACAC  
 ACAGGAGAAAGACCTTATTACTGCACAGAACCTGGATGTGGGAGGGCATTGCGCAGCGCAACTAATTATA  
 AAAACCATGTGAGGATACACACAGGAGAAAAGCCATATGTCTGTACAGTTCCTGGGTGTGACAAAAGGTT  
 TACAGAATATTCCAGTTTGTATAAACACCATGTGTTTCAACTCACTCTAAACCATACAACCTGTAACCCAC  
 TGTGGGAAGACGTACAAAACAGATTTCCACACTGGCCATGCACAAAACGGACAGCCACAACGACACAGAGC  
 CCATTGAGGAGGAGCAGGAAGCCTTCTTCGAGCCTCCCCAGGTCAAGGTGATGATGTTCTTAAAGGGTC  
 CCAGATCACATATGTTACAGGTGTAGATGGAGAGGACATTGTATCTACACAAGTAGCCACAGTAACCCAG  
 TCTGGGCTGAGTCAACAAGTCACTCATATCACAGGATGGGACTCAACATGTCAACATATCTCAAGCTG  
 ACATGCAGGCCATTGGCAACACCATCACCATGGTAACACAGGATGGCACACCCATCACGGTCCCCACTCA  
 CGATGCAGTCATCTCCTCAGCAGGAACACATTCTGTTGCTATGGTTACCGCGGAGGGCACAGAAGGACAG  
 CAGGTCGCAATTGTAGCTCAAGATCTGGCAGCGTTCCATACAGCATCTTACAGAGATGGGACACCAACAAC  
 ATAGCCATCACCTAGTAACCTACAGAAACAGACCTCTGACCTTAGTGGCAACATCCAACGGCACCCAGAT  
 CGCAGTTACAGTTGGAGAGCAGCCGCTCTGGAAGAAGCTATCAGAATAGCATCGAGGATCCAACAGGG  
 GAGACGCCAGGGTTGGATGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_009281
- Insert Size:** 1914 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\\_009281.3](#), [NP\\_033307.2](#)

**RefSeq Size:** 3013 bp

**RefSeq ORF:** 1914 bp

**Locus ID:** 20841

**UniProt ID:** [O70230](#)

**Cytogenetics:** 7 57.7 cM

**Gene Summary:** Transcriptional activator. Activates the gene for selenocysteine tRNA (tRNA<sup>sec</sup>). Binds to the SPH motif of small nuclear RNA (snRNA) gene promoters. Participates in efficient U6 RNA polymerase III transcription via its interaction with CHD8 (By similarity).[UniProtKB/Swiss-Prot Function]