

## Product datasheet for **RN214462**

### **Zfp143 (NM\_001012169) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Zfp143 (NM_001012169) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zfp143
Synonyms:	STAF; Znf143
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214462 representing NM\_001012169  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACAGAATTTCTGGAGGAGGAATGGAGGCTCAGCATGTCCTGTGCCTGACAGAGCGGTAAACCG  
 TGGCAGATGGTGACAATTTAGAAAATATGGAAGGTGTGAGTTTACAAGCTGTCACCTTGCCGATGGCTC  
 TACTGTTACATACAGCATAATTCTAAAGATGGGAGACTCATTGATGGCCAGGTCATTCAATTGGAAGAT  
 GGTTCGTGCCTATGTTCAACATGTCCCATACCTAAAAGTACAGGGGACAGTTTGCAGGCTGGAGGATG  
 GGCAGGCAGTGCAGCTGGAAGACGGAACCACTGCGTTTATCCACCACACTTCGAAAGATAGTTATGACCA  
 GAGCTCCCTTCAGGCCGTCAGTTGGAAGACGGTACAACAGCGTATATCCACCATGCAGTGAAGTCCCA  
 CAGCCTGACACCATCTTAGCAATCCAGGCTGATGGCACAGTGGCGGGGCTGCACACGGGAGATGCCACGA  
 TTGACCCTGATACCATTAGTCTTTGGAGCAGTATGCAGCAAAGGTGTCTATTGATGGTAGTGAAGGTGT  
 GACAAGTACAGGACTGATTGGAGAAAATGAGCAAGAGAAAAAATGCAGATCGTCTTACAAGGACATGCT  
 ACGAGAGTAACTCTAAATCTCAACAGAGTGGAGAAAAGGCGTTTCGGTGTAAATATGATGGATGTGGGA  
 AACTGTATAACAAGCTCACCATCTAAGGTCCATGAGCGCTCGCACACAGGAGACCGGCCCTTATCAGTG  
 TGAGCATTGAGGCTGTGGGAAAGCATTGCAACAGGTTATGGACTAAAAAGTCAATTCAGAACTCACT  
 GGAGAAAAGCCATATCGGTGTTGAGAAGATAATTGTAATAATCTTTCAAACTTCAGGAGACCTACAGA  
 AGCACATCAGAACCATACAGGAGAAAGGCCCTTAAATGCCCTATTGAAGGCTGCGGTCCGTTTAC  
 AACGTCAAATATCAGAAAAGTACACATTAGGACACACAGGAGAAAGACCTTACTACTGCACAGAACCA  
 GGATGCGGGAGGGCATTGCCAGCGCAACTAATTATAAAAACCATGTGAGGATACACACAGGAGAAAAGC  
 CATATGCTGTACAGTTCTGGGTGTGACAAACGGTTTACAGAATATCCAGTTTGTATAAACATCATGT  
 CGTTCACACTCACTCTAAACCATACAACGTGAACCACTGTGGGAAAACATACAAACAGATTTCCACACTG  
 GCCATGCACAAACGACAGCCCAATGACACAGAGCCATTGAGGAGGAGCAGGAAGCCTTCTCGAGC  
 CTCCCCAGGTCAAGGTGATGATGTTCTTAAAGGGTCCCAGATCACATATGTTACAGGTGTAGAAGGAGA  
 GGACATCGTATCTACACAAGTAGCCACAGTAACCCAGTCTGGGTTGAGTCAACAAGTCACTCATATCG  
 CAGGATGGGACTCAACACGTCAACATATCTCAAGCCGACATGCAGGCCATTGGCAACACCATCACCATGG  
 TAACACAGGATGGCACACCCATCACAGTCCCCTCACGATGCAGTCATCTCCTCAGCAGGAACACATTC  
 TGTTGCTATGGTCACTGCTGAGGGCACAGAAGGACAGCAGTTGCAATTGTAGCTCAAGACCTGGCAGCA  
 TTCCATGCGGCCCTTTCAGAAATGGGACACCAGCCACATAGCCATCATTTAGTAACACAGAAACCAGAC  
 CTCTGACCTTAGTGGCAACATCCAATGGCACCCAGATTGCAGTTAGCTTGGAGAGCAGCCATCTCTGGA  
 AGAAGCTATTAGAATAGCATCTAGGATCCAGCAAGGAGAGACGCCAGGGTTGGATGAT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001012169

**Insert Size:** 1881 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\\_001012169.1](#), [NP\\_001012169.1](#)

**RefSeq Size:** 3040 bp

**RefSeq ORF:** 1881 bp

**Locus ID:** 361627

**UniProt ID:** [Q5XIU2](#)

**Cytogenetics:** 1q33

**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]