

## Product datasheet for **MR223558**

### Zfp143 (NM\_009281) Mouse Tagged ORF Clone

#### Product data:

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids   |
| Product Name:      | Zfp143 (NM_009281) Mouse Tagged ORF Clone   |
| Tag:               | Myc-DDK   |
| 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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ORF Nucleotide  
Sequence:

>MR223558 representing NM\_009281  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTTGTTAGCACAAATAAATCGGGATTCTCAGGGAATGACAGAATTTCTGGAGGAGGAATGGAGGCTC  
AACATGTTACCCTGTGCCTGACGGAGGCAGTAACCGTGGCAGATGGTGACAATTTAGAAAAATATGGAAGG  
TGTGAGTTTACAAGCTGTGACACTCGCAGACGGCTCTACTGCTTACATACAGCATAAATTCTAAAGACGGG  
AGACTCATTGATGGCCAGGTCATTAGCTGGAAGATGGTTCTGCTGCCTATGTTCCAGCATGTCCCCATAC  
CTAAAAGTAGGGACAGTTTGGCGCTGGAGGATGGGCAAGCAGTGCAGCTAGAAGACGGGACCCTGCATT  
TATCCACCACACCTCGAAAGACAGTTATGACCAGAGCTCACTTCAGGCCGTTTCAGTTAGAAGATGGGACA  
ACAGCTTATATCCACCATGCAGTGCAAGTCCCACAGTCTGATACCATCTTGGCAATTCAGGCTGATGGGA  
CAGTGGCAGGGCTGCACACTGGGGATGCCACAATTGACCCAGATACCATTAGTGCCTTTGGAGCAGTACGC  
AGCAAAGGTATCCATTGATGGCAGTGACGGTGTAAACAAGTACAGGAATGATTGGAGAGAATGAGCAAGAG  
AAAAAATGCAGATTGTCTTACAAGGCCATGCTACTCGGGTAACTCCTAAATCTCAGCAGAGTGGAGAAA  
AGGCATTTCCGGTCAAATACGACGGCTGTGGGAACTCTATACAACAGCTCATCACCTTAAAGTCCATGA  
GCGCTCACACACAGGAGACCGGCCTTACCAGTGTGAGCATTACAGGCTGTGGGAAAGCATTGCAACAGGT  
TATGGATTAAGAAAGTCATTTTCAAGACTCATCTGGAGAAAAGCCATATCCGGTGTTCAGAAGATAATTGTA  
CAAAGTCTTTCAAACCTCAGGAGATCTACAGAAGCACATCAGAACCATAACAGGAGAAAGGCCCTTTAA  
GTGTCCTATTGAAGGCTGTGGTCCGTCCTTTACCACATCAAATATCAGAAAAGTGACATTAGGACACAC  
ACAGGAGAAAGACCTTATTACTGCACAGAACCTGGATGTGGGAGGGCATTGGCCAGCGCAACTAATTATA  
AAAACCATGTGAGGATACACACAGGAGAAAAGCCATATGTCTGTACAGTTCCTGGGTGTGACAAAACGGTT  
TACAGAATATTCCAGTTTGTATAAACACCATGTCGTTCACTCACTCTAAACCATAACAAGTAAACCAC  
TGTGGGAAGACGTACAAAACAGATTTCCACACTGGCCATGCACAAAACGGACAGCCACAACGACACAGAGC  
CCATTGAGGAGGAGCAGGAAGCCTTCTTCGAGCCTCCCCAGGTCAAGGTGATGATGTTCTTAAAGGGTC  
CCAGATCACATATGTTACAGGTGTAGATGGAGAGGACATTGTATCTACACAAGTAGCCACAGTAACCCAG  
TCTGGGCTGAGTCAACAAGTCACTCATATCACAGGATGGGACTCAACATGTCAACATATCTCAAGCTG  
ACATGCAGGCCATTGGCAACACCATCACCATGGTAACACAGGATGGCACACCCATCACGGTCCCCACTCA  
CGATGCAGTCATCTCCTCAGCAGGAACACATTCTGTTGCTATGGTTACCGCGGAGGGCACAGAAGGACAG  
CAGGTCGCAATTGTAGCTCAAGATCTGGCAGCGTTCCATACAGCATCTTCAGAGATGGGACACCAACAAC  
ATAGCCATCACCTAGTAACTACAGAAACAGACCTCTGACCTTAGTGGCAACATCCAACGGCACCCAGAT  
CGCAGTTCACTTGGAGAGCAGCCGTCTCTGGAAGAAGCTATCAGAATAGCATCGAGGATCCAACAGGG  
GAGACGCCAGGTTGGATGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR223558 representing NM\_009281  
 Red=Cloning site Green=Tags(s)

MLLAQINRDSQGMTEFPPGGMEAQHVTLCLTEAVTVADGNLENMEGVSLQAVTLADGSTAYIQHNSKDG  
 RLIDGQVIQLEDGSAAYVQHVPKSRDSLRLLEDGQAVQLEDGTTAFIHHTSKDSYDQSSLQAVQLEDGT  
 TAYIIHNAVQVPQSDTILAIQADGTVAGLHTGDATIDPDTISALEQYAAKVSIDGSDGVTSTGMIGENEQE  
 KKMQIVLQGHATRVTPKSQQSGEKAFRCKYDGGCKLYTTAHLKVVHERSHTGDRPYQCEHSGCGKAFATG  
 YGLKSHFRHTHTGEKPYRCEDNCTKSFKTSGDLQKHIRTHTGERPFKCPIEGGRSFTTSNIRKVHIRTH  
 TGERPYYCTEPGCGRAFASATNYKNHVRIHTGEKPYVCTVPGCDKRFTEYSSLYKHHVVHHTSKPYNCH  
 CGKTYKQISTLAMHKRTAHNDTEPIEEEQEAFFPPPGQDDVLKGSQITYVTGVDGEDIVSTQVATVTQ  
 SGLSQQVTLISQDGTQHVNISQADMQAIGNITMVTQDGTPIVPTHDAVISSAGTHSVAMVTAEGTEGQ  
 QVAIVAQDLAAFHTASSEMGHQQHSHHLVTTETRPLTLVATSNGTQIAVQLGEQPSLEEAIASRIQQG  
 ETPGLDD

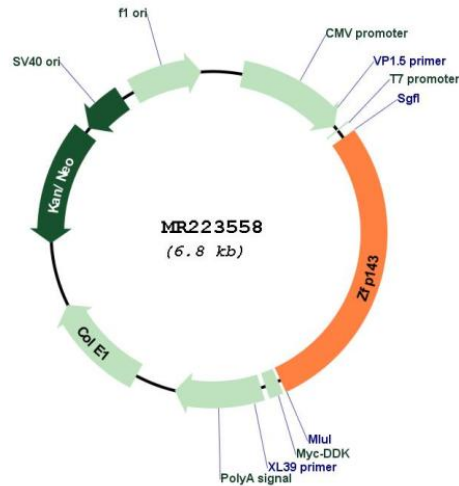
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_009281

**ORF Size:** 1911 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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

MW: 69.5 kDa

**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]