

Product datasheet for **MG223558**

Zfp143 (NM_009281) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp143 (NM_009281) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp143
Synonyms:	AA959806; AU015869; D7Ert805e; KRAB14; pHZ-1; SBF; Staf; Zfp79; Zfp80-rs1; Znf143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG223558 representing NM_009281
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGTTAGCACAAATAAATCGGGATTCTCAGGGAATGACAGAATTTCTGGAGGAGGAATGGAGGCTC
 AACATGTTACCCTGTGCCTGACGGAGGCAGTAACCGTGGCAGATGGTGACAATTTAGAAAAATATGGAAGG
 TGTGAGTTTACAAGCTGTGACACTCGCAGACGGCTCTACTGCTTACATACAGCATAAATTCTAAAGACGGG
 AGACTCATTGATGGCCAGGTCATTAGCTGGAAGATGGTTCTGCTGCCTATGTTACAGCATGTCCCCATAC
 CTAAGAGTAGGGACAGTTTGGCGCTGGAGGATGGGCAAGCAGTGCAGCTAGAAGACGGGACCCTGCATT
 TATCCACCACACCTCGAAAGACAGTTATGACCAGAGCTCACTTCAGGCCGTTTCACTTAGAAGATGGGACA
 ACAGCTTATATCCACCATGCAGTGAAGTCCCACAGTCTGATACCATCTTGGCAATTCAGGCTGATGGGA
 CAGTGGCAGGGCTGCACACTGGGGATGCCACAATTGACCCAGATACCATTAGTGCCTTGGAGCAGTACGC
 AGCAAAGGTATCCATTGATGGCAGTACAGGTGTAACAAGTACAGGAATGATTGGAGAGAATGAGCAAGAG
 AAAAAATGCAGATTGTCTTACAAGGCCATGCTACTCGGGTAACCTCTAAATCTCAGCAGAGTGGAGAAA
 AGGCATTTCCGGTCAAATACGACGGCTGTGGGAACTCTATACAACAGCTCATCACCTTAAGGTCCATGA
 GCGCTCACACACAGGAGACCGGCCTTACCAGTGTGAGCATTACAGGCTGTGGGAAAGCATTGCAACAGGT
 TATGGATTAAGAAAGTCATTTAGAACTCATCTGGAGAAAAGCCATATCCGGTGTTCAGAAGATAATTGTA
 CAAAGTCTTTCAAACCTCAGGAGATCTACAGAAGCACATCAGAACCATACAGGAGAAAGGCCCTTTAA
 GTGCTCCTATTGAAGGCTGTGGTCCGTCCTTTACCACATCAAATATCAGAAAAGTGACATTAGGACACAC
 ACAGGAGAAAGACCTTATTACTGCACAGAACCTGGATGTGGGAGGGCATTGCGCAGCGCAACTAATTATA
 AAAACCATGTGAGGATACACACAGGAGAAAAGCCATATGTCTGTACAGTTCCTGGGTGTGACAAAACGGTT
 TACAGAATATTCCAGTTTGTATAAACACCATGTGTTTACACTCACTCTAAACCATACAACCTGTAACCCAC
 TGTGGGAAGACGTACAAACAGATTTCCACTGCGCATGCACAAACGGACAGCCACAACGACACAGAGC
 CCATTGAGGAGGAGCAGGAAGCCTTCTTCGAGCCTCCCCAGGTCAAGGTGATGATGTTCTTAAAGGGTC
 CCAGATCACATATGTTACAGGTGTAGATGGAGAGGACATTGTATCTACACAAGTAGCCACAGTAACCCAG
 TCTGGGCTGAGTCAACAAGTCACTCATATCACAGGATGGGACTCAACATGTCAACATATCTCAAGCTG
 ACATGCAGGCCATTGGCAACACCATCACCATGGTAACACAGGATGGCACACCCATCACGGTCCCCACTCA
 CGATGCAGTCATCTCCTCAGCAGGAACACATTCTGTTGCTATGGTTACCGCGGAGGGCACAGAAGGACAG
 CAGGTCGCAATTGTAGCTCAAGATCTGGCAGCGTTCCATACAGCATCTTACAGAGATGGGACACCAACAAC
 ATAGCCATCACCTAGTAACCTACAGAAACAGACCTCTGACCTTAGTGGCAACATCCAACGGCACCCAGAT
 CGCAGTTACAGTTGGAGAGCAGCCGCTCTCTGGAAGAAGCTATCAGAATAGCATCGAGGATCCAACAGGG
 GAGACGCCAGGGTTGGATGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223558 representing NM_009281
 Red=Cloning site Green=Tags(s)

MLLAQINRDSQGMTEFPPGGMEAQHVTLCLTEAVTVADGDNLENMEGVSQAVTLADGSTAYIQHNSKDG
 RLIDGQVIQLEDGSAAYVQHPVIPKSRDSLRLLEDGQAVQLEDGTTAFIHHTSKDSYDQSSLQAVQLEDGT
 TAYIHHAQVQPQSDTILAIQADGTVAGLHTGDATIDPDTISALEQYAAKVSIDGSDGVTSTGMIGENEQE
 KKMQIVLQGHATRVTPKSQSQSGEKAFRCKYDGCGLYTTAHLKVVHRSHTGDRPYQCEHSGCGKAFATG
 YGLKSHFRTHTEKPYRSEDNCTKSFKTSGDLQKHIRTHTGERPFKCPTEGCGRSFTTSSNIRKVVIRTH
 TGERPYYCTEPGCGRAFASATNYKNHVRHTGEKPYVCTVPGCDKRFTEYSSLYKHHVVHTSKPYNCH
 CGKTYKQISTLAMHKRTAHDNTEPIEEEQEAFFPPPGQDDVLKGSQITVYTVGDGEDIVSTQVATVTQ
 SGLSQQVTLISQDGTQHVNISQADMQAIGNITMVTQDGTPIVTPHDAVISSAGTHSVAMVTAEGTEGQ
 QVAIVAQDLAAFHTASSEMGHQQHSHHLVTTETRPLTLVATSNGTQIAVQLGEQPSLEEAIRIASRIQQG
 ETPGLDD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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

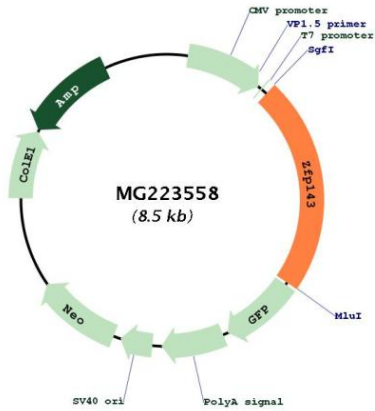
Locus ID: 20841

UniProt ID: [O70230](#)

Cytogenetics: 7 57.7 cM

Gene Summary: Transcriptional activator. Activates the gene for selenocysteine tRNA (tRNA^{Sec}). 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]

Product images:



Circular map for MG223558