

## Product datasheet for **RC239170**

### **ZNF143 (NM\_001282656) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF143 (NM_001282656) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF143
Synonyms:	pHZ-1; SBF; STAF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RC239170 representing NM\_001282656  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGTTGTTAGCCAAATAAATCGAGATTCTCAGGGAATGACAGAGTTTCTGGAGGAGGGATGGAGGCGC  
AACATGTTACGCTGTGCTTGACAGAGGCAGTCACCGTGGCAGATGGTGACAACTTAGAAAAATATGGAAGG  
CGTAAGCTTGCAAGCAGTAACACTTGCAGATGGTTCTACTGCTTACATACAACACAATTCTAAAAGATGCA  
AAACTCATAGATGGCCAGGTCATTTCAGTTGGAAGATGGTTCTGCGGCCTATGTTCAACATGTACCCATAC  
CTAAAAGTAGGGACAGTTTGCCTCTAGAGGATGGTCAAGCAGTACAGTTAGAAGATGGTACCACAGCATT  
TATTCACCACACCTCCAAAGATAGTTATGACCAGAGTGCATTACAGGCGGTTTCAGCTGGAAGATGGTACC  
ACAGCTTATATCCACCATGCAGTGAAGTCCCGCAGTCTGACACCATCTTGGCAATTCAGGCTGATGGGA  
CAGTGGCAGGTCGCACACTGGGGATGCTACAATTGACCTGACACCATCAGTGCCTTGGAAACGATGTC  
AGCAAAGTGTCCATTGATGGAAGTGAAAGTGTAGCAGTACTGGAATGATTGGAGAAAAATGAGCAAGAG  
AAAAAATGCAGATTGTTTTACAAGGACATGCTACAAGAGTAAGTCTAAATCTCAACAGAGTGGAGAGA  
AGGCATTCGATGTGAATATGATGGATGTGAAAAATTATATACAACAGCTCATCATCTCAAGGTCATGA  
GAGGTCACACACAGGAGATCGGCCTTATCAGTGTGAGCATGCAGGCTGTGGGAAGGCATTTGCAACAGGT  
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ACAGGAGAAAGACCTTATTACTGCACAGAGCCAGGATGTGGGAGGGCATTGCCAGTGAACAAAATTATA  
AAAACCATGTGAGGATACACACAGGAGAAAAGCCATATGTTTGTACAGTTCCTGGGTGTGACAAAAGGTT  
TACAGAATATTCCAGTTTGTACAACATCATGTTGTCCCACTCATTCCAAACCTTACAACCTGTAACCCAC  
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TCTGGACTGAGTCAACAAGTTACACTCATATCCAGGATGGGACTCAGCATGTCAACATATCTCAAGCTG  
ACATGCAGGCCATTGGCAACACCATCACAATGGTAACGCAGGATGGCACGCCATCACAGTCCCCGCCCA  
TGATGCAGTCATCTCCTCAGCAGGAACGCACTCTGTTGCTATGGTACTGCTGAGGGTACAGAAGGGGAA  
CAGGTTGCAATTGTAGCTCAAGACTTGGCAGCATTCCATACTGCCTCATCAGAAATGGGGCACCAGCAGC  
ATAGCCATCACTTAGTAACCACAGAAACAGACCTCTGACCTTAGTAGCAACATCCAATGGCACCCAGAT  
TGACAGTTCACTTGGAGAACAGCCATCTCTGGAAGAAGCCATCAGAAATAGCGTCTAGAATCCAACAGGA  
GAAACGCCAGGTTGGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC239170 representing NM\_001282656  
 Red=Cloning site Green=Tags(s)

MLLAQINRDSQGMTEFPPGGMEAQHVTLCLTEAVTVADGNLENMEGVSLQAVTLADGSTAYIQHNSKDA  
 KLIDGQVIQLEDGSAAYVQHVPKSRDSLRLLEDGQAVQLEDGTTAFIHHTSKDSYDQSALQAVQLEDGT  
 TAYIIHNAVQVPQSDTILAIQADGTVAGLHTGDATIDPDTISALEQYAAKVSIDGSESVAGTGMIGENEQE  
 KKMQIVLQGHATRVTAQSQQSGEKAFRCEYDGGCKLYTTAHLKVVHERSHTGDRPYQCEHAGCGKAFATG  
 YGLKSHVRTHTGKPYRCSEDNCTKSFKTSGDLQKHIRTHTGERPFKCFEGCGRSFTTSNIRKVHVRTH  
 TGERPYYCTEPCGRAFASATNYKNHVRIHTGKPYVCTVPGCDKRFTEYSSLYKHHVVHHTSKPYNCNH  
 CGKTYKQISTLAMHKRTAHDTEPIEEEQEAFFPPPGQGEDVLKGSQITYVTGVEGDDVSTQVATVTQ  
 SGLSQQVTLISQDGTQHVNISQADMQAIGNITMVTQDGTPIVPAHDAVISSAGTHSVAMVTAEGTEGE  
 QVAIVAQDLAAFHTASSEMGHQQHSHHLVTTETRPLTLVATSNGTQIAVQLGEQPSLEEAIASRIQQG  
 ETPGLDD

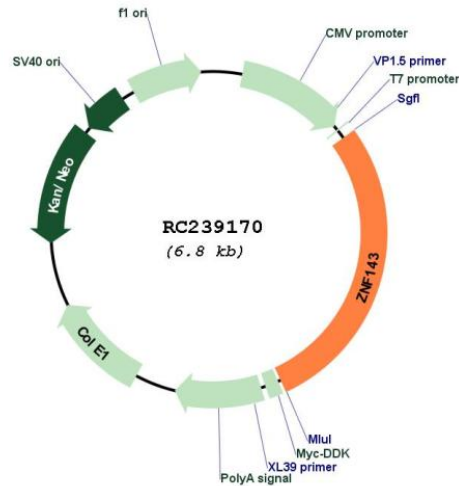
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001282656

**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\\_001282656.1](#), [NP\\_001269585.1](#)

RefSeq Size:	2960 bp
RefSeq ORF:	1914 bp
Locus ID:	7702
UniProt ID:	<a href="#">P52747</a>
Cytogenetics:	11p15.4
Protein Families:	Transcription Factors
MW:	69.3 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.[UniProtKB/Swiss-Prot Function]