

Product datasheet for **RG205850**

ZNF143 (NM_003442) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF143 (NM_003442) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF143
Synonyms:	pHZ-1; SBF; STAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205850 representing NM_003442
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACAGAGTTTCTGGAGGAGGGATGGAGGCGCAACATGTTACGCTGTGCTTGACAGAGGCAGTACCCG
 TGGCAGATGGTGACAACCTTAGAAAAATATGGAAGCGTAAGCTTGCAAGCAGTAACACTTGACAGATGGTTC
 TACTGCTTACATACAACACAATTCTAAAGATGCAAACTCATAGATGGCCAGGTCATTGAGTTGGAAGAT
 GGTTCGCGGCCTATGTTCAACATGTACCCATACCTAAAAGTACAGGGGACAGTTTTCGCTAGAGGATG
 GTCAAGCAGTACAGTTAGAAGATGGTACCACAGCATTATTCACCACACCTCAAAGATAGTTATGACCA
 GAGTGCATTACAGGCGGTTGAGTGAAGATGGTACCACAGCTTATATCCACCATGCAGTGAAGTCCCG
 CAGTCTGACACCATCTTGCAATTCAGGCTGATGGGACAGTGGCAGGCTGCACACTGGGGATGCTACAA
 TTGACCCTGACACCATCAGTGTCTTGGAACAGTATGCAGCAAAGGTGCCATTGATGGAAGTGAAGTGT
 AGCAGGTAAGTGAATGATTGGAGAAAATGAGCAAGAGAAAAAAATGCAGATTGTTTTACAAGGACATGCT
 ACAAGAGTAACTGCTAAATCTCAACAGAGTGGAGAGAAGGCATTCGATGTGAATATGATGGATGTGAA
 AATTATATACAACAGCTCATCATCTCAAGTCCATGAGAGGTCACACACAGGAGATCGGCCCTTATCAGTG
 TGAGCATGCAGGCTGTGGGAAGGCATTTGCAACAGGTTATGGATTAAGTACAGTACAGTCAAGTCAACA
 GGAGAAAAGCCATATCGGTGTTCCGGAAGATAATTGTAATACTTTCAAACCTCAGGAGATCTACAGA
 AACACATCAGAACTACACAGGAGAAAGGCCCTTAAGTGTCCCTTGAAGGCTGCGGTCGGTCTTTTAC
 AACATCAAATATCAGAAAAGTGCACGTTAGGACACACACAGGAGAAAGACCTTATTAAGTGCACAGAGCCA
 GGATGTGGGAGGGCATTGCCAGTGAACAAATATAAAAACCATGTGAGGATACACACAGGAGAAAAGC
 CATATGTTTGTACAGTTCTGGTGTGACAAAAGGTTTACAGAATATCCAGTTTGTACAACATCATGT
 TGTCACACTCATTCCAACCTTACAACCTGTAACCACTGTGGGAAGACATACAAGCAGATCTCCACGCTG
 GTCATGCACAAAACGACAGCCCAACGACACTGAGCCATCGAGGAGGAGCAGGAAGCCTTCTTTGAGC
 CGCCCCAGGTAAGGTGAAGATGTTCTTAAAGGTCAGATTACGATGTTACAGGTGTAGAAGGGGA
 CGACGTTGTTTCTACACAAGTAGCCACAGTAACCCAATCTGGACTGAGTCAACAAGTTACTCATATCC
 CAGGATGGGACTCAGCATGTCAACATATCTCAAGCTGACATGCAGGCCATTGGCAACACCATCACAATGG
 TAACGCAGGATGGCAGCCCATCACAGTCCCCGCCATGATGCAGTCATCTCCTCAGCAGGAACGCCTC
 TGTTGCTATGGTACTGCTGAGGTTACAGAAGGGCAACAGGTTGCAATTGTAGCTCAAGACTTGGCAGCA
 TTCCATACTGCCTCATCAGAAATGGGGCACCAGCAGCATAGCCATCACTTAGTAACCACAGAAACCAGAC
 CTCTGACCTTAGTAGCAACATCCAATGGCACCCAGATTGCAGTTGAGCTTGGAGAACAGCCATCTCTGGA
 AGAAGCCATCAGAATAGCGTCTAGAATCCAACAAGGAGAAAACGCCAGGTTGGATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205850 representing NM_003442
 Red=Cloning site Green=Tags(s)

MTEFPPGGMEAHVTLCLTEAVTVADGDNLENMEGVSLQAVTLADGSTAYIQHNSKDAKLIDGQVIQLED
 GSAAYVQHVPKSTGDSLRLLEDGQAVQLEDGTTAFIHHTSKDSYDQSAQAVQLEDGTTAYIHAVQVP
 QSDTILAIQADGTVAGLHTGDATIDPDTISALEQYAAKVSIDGSESVAGTGMIGENEQEKKMQIVLQGH
 TRVTAQSQQSKEAFRCEYDGCGLYTTAHLKVVHERSHTGDRPYQCEHAGCGKAFATGYGLKSHVRTHT
 GEKPYRSEDNCTKSFKTSGDLQKHIRTHTGERPFKCPFEGCGRSFTTSNIRKVVHVRTHTGERPYYCTEP
 GCGRAFASATNYKNHVRHTGKPYVCTVPGCDKRFTEYSSLYKHHVVHHTHSPYNCNHCGKTYKQISTL
 VMHKRTAHNDTEPIEEEQEAFFPPPGGEDVLRKGSQITVYVTVGVEGDDVSTQVAVTVQSGLSQQVTLIS
 QDGTQHVNISQADMQAIGNITIMVTQDGPITVPAHDAVISSAGTHSVAMVTAEGTEGQQVAIVAQDLAA
 FHTASSEMGHQQHSHHLVTTETRPLTLVATSNGTQIAVQLGEQPSLEEAIIRIASRIQQGETPGLDD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003442

ORF Size: 1878 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_003442.3](#), [NP_003433.2](#)

RefSeq Size: 2946 bp

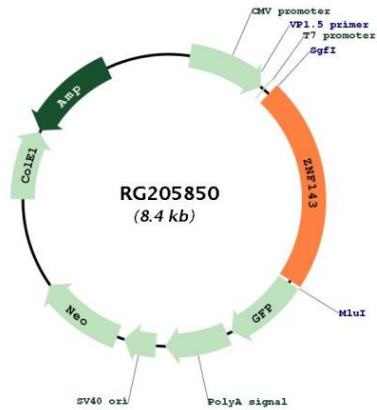
RefSeq ORF: 1917 bp

Locus ID: 7702

UniProt ID: [P52747](#)

Cytogenetics: 11p15.4
Domains: zf-C2H2
Protein Families: Transcription Factors
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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205850