

## Product datasheet for **SC336962**

### ZNF143 (NM\_001282657) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF143 (NM_001282657) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF143
Synonyms:	pHZ-1; SBF; STAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

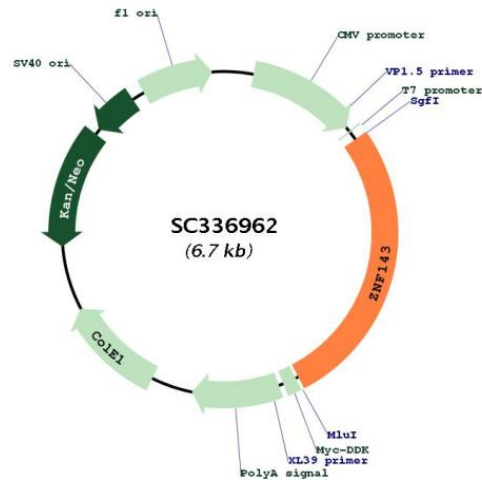


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Fully Sequenced ORF: >SC336962 representing NM\_001282657.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGTTAGCCCAAATAAATCGAGATTCTCAGGAATGACAGAGTTTCTGGAGGAGGGATGGAGGCG
CAACATGTTACGCTGTGTTGACAGAGGCAGTCACCGTGGCAGATGCAAACTCATAGATGGCCAGGTC
ATTCAGTTGGAAGATGGTCTGCGGCCTATGTTCAACATGTACCCATACCTAAAAGTACAGGGGACAGT
TTGCGTCTAGAGGATGGTCAAGCAGTACAGTTAGAAGATGGTACCACAGCATTATTACCACACCTCC
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CATGCAGTGCAAGTCCCAGTCTGACACCATCTTGGCAATTCAGGCTGATGGGACAGTGGCAGGCTCTG
CACACTGGGGATGCTACAATTGACCCTGACACCATCAGTGCTTTGGAACAGTATGCAGCAAAGGTGTCC
ATTGATGGAAGTAAAAGTGTAGCAGGACTGGAATGATTGGAGAAAATGAGCAAGAGAAAAAATGCAG
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TTCAAACTTCAGGAGATCTACAGAAACACATCAGAACTCATACAGGAGAAAAGGCCCTTTAAGTGTCCC
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CAGATTACGTATGTTACAGGTGTAGAAGGGGACGACGTTGTTTCTACACAAGTAGCCACAGTAACCCAA
TCTGGACTGAGTCAACAAGTTACTCTCATATCCCAGGATGGGACTCAGCATGTCAACATATCTCAAGCT
GACATGCAGGCCATTGGCAACACCATCACAATGGTAACGCAGGATGGCACGCCCATCACAGTCCCAGCC
CATGATGCAGTCACTCCTCAGCAGGAACGCACTCTGTTGCTATGGTTACTGCTGAGGGTACAGAAGGG
GAACAGGTTGCAATTGTAGCTCAAGACTTGGCAGCATTCCATACTGCCTCATCAGAAATGGGGCACCAG
CAGCATAGCCATCACTTAGTAACCACAGAAACCAGACCTCTGACCTTAGTAGCAACATCCAATGGCACC
CAGATTGCAGTTCAGCTTGAGAACAGCCATCTCTGGAAGAAGCCATCAGAAATAGCGTCTAGAATCCAA
CAAGGAGAAACGCCAGGTTGGATGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001282657

**Insert Size:** 1824 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\\_001282657.1](#)

**RefSeq Size:** 2870 bp

**RefSeq ORF:** 1824 bp

**Locus ID:** 7702

**UniProt ID:** [P52747](#)

**Cytogenetics:** 11p15.4

**Protein Families:** Transcription Factors

**MW:** 65.6 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]  
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (3) that is shorter than isoform 1.