

Product datasheet for **RR214462**

Zfp143 (NM_001012169) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp143 (NM_001012169) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp143
Synonyms:	STAF; Znf143
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214462 representing NM_001012169
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGAATTTCTGGAGGAGGAATGGAGGCTCAGCATGCTACTCTGTGCCTGACAGAGCCGTAACCG
 TGGCAGATGGTGACAATTTAGAAAAATATGGAAGGTGTGAGTTTACAAGCTGCTACTCTTGCCGATGGCTC
 TACTGCTTACATACAGCATAATTTCTAAAGATGGGAGACTCATTGATGGCCAGGTCATTCAATTGGAAGAT
 GTTTCTGCTGCCTATGTTCAACATGTCCCCATACCTAAAAGTACAGGGGACAGTTTTCGCGCTGGAGGATG
 GGCAGGCAGTGCAGCTGGAAGACGGAACCACTGCGTTTATCCACCACACTTCGAAAGATAGTTATGACCA
 GAGCTCCCTTCAGGCCGTCAGTTGGAAGACGGTACAACAGCGTATATCCACCATGCAGTCAAGTCCCA
 CAGCCTGACACCATCTTAGCAATCCAGGCTGATGGCACAGTGGCGGGGCTGCACACGGGAGATGCCACGA
 TTGACCCTGATACCATTAGTCTTTGGAGCAGTATGCAGCAAAGGTGTCTATTGATGGTAGTGAAGGTGT
 GACAAGTACAGGACTGATTGGAGAAAATGAGCAAGAGAAAAAAATGCAGATCGTCTTACAAGGACATGCT
 ACGAGAGTAACTCTAAATCTCAACAGAGTGGAGAAAAGGCGTTTCGGTGTAAATATGATGGATGTGGGA
 AACTGTATAACAAGCTCACCATCTTAAGTCCATGAGCGCTCGCACACAGGAGACCGGCCCTTATCAGTG
 TGAGCATTGAGGCTGTGGGAAAGCATTTGCAACAGGTTATGGACTAAAAAGTCATTTCAGAACTCACT
 GGAGAAAAGCCATATCGGTGTTGAGAAGATAATTGTAATAATCTTTCAAACTTCAGGAGACCTACAGA
 AGCACATCAGAACCATACAGGAGAAAGGCCCTTAAATGCCCTATTGAAGGCTGCGGTCGGTCTTTTAC
 AACGTCAAATATCAGAAAAGTACACATTAGGACACACAGGAGAAAGACCTTACTACTGCACAGAACCA
 GGATGCGGGAGGGCATTGCCAGCGCAACTAATTATAAAAACCATGTGAGGATACACACAGGAGAAAAAGC
 CATATGTCTGTACAGTTCCTGGGTGTGACAAACGGTTTACAGAATATTCAGTTTGTATAAACATCATGT
 CGTTCACACTCACTAAACCATACAACGTAAACCACTGTGGGAAAACATACAAACAGATTTCCACACTG
 GCCATGCACAAACGACAGCCCAATGACACAGAGCCATTGAGGAGGAGCAGGAAGCCTTCTCGAGC
 CTCCCCAGGTCAAGGTGATGATGTTCTTAAAGGGTCCCAGATCACATATGTTACAGGTGTAGAAGGAGA
 GGACATCGTATCTACACAAGTAGCCACAGTAACCCAGTCTGGGTTGAGTCAACAAGTCACTCATATCG
 CAGGATGGGACTCAACACGTCAACATATCTCAAGCCGACATGCAGGCCATTGGCAACACCATCACCATGG
 TAACACAGGATGGCACACCCATCACAGTCCCCTCACGATGCAGTCATCTCCTCAGCAGGAACACATTC
 TGTTGCTATGGTCACTGCTGAGGGCACAGAAGGACAGCAGGTTGCAATTGTAGCTCAAGACTGGCAGCA
 TTCATGCGGCCCTTTCAGAAATGGGACACCAGCCACATAGCCATCATTTAGTAACACAGAAACCAGAC
 CTCTGACCTTAGTGGCAACATCCAATGGCACCCAGATTGCAGTTCAGCTTGGAGAGCAGCCATCTCTGGA
 AGAAGCTATTAGAATAGCATCTAGGATCCAGCAAGGAGAGACGCCAGGGTTGGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214462 representing NM_001012169
 Red=Cloning site Green=Tags(s)

MTEFPGGMEAQHVTLCLTEAVTVADGDNLENMEGVSLQAVTLADGSTAYIQHNSKDGRLIDGQVIQLED
 GSAAYVQHVPKSTGDSLRLLEDQAVQLEDGTTAFIHHTSKDSYDQSSLQAVQLEDGTTAYIHHAQVVP
 QPDTILAIQADGTVAGLHTGDATIDPDTISALEQYAAKVSIDGSEGVSTGLIGENEQEKKMQIVLQGH
 TRVTPKSQSGEKAFRCKYDGGKLYTTAHLKVHERSHTGDRPYQCEHSGCGKAFATGYGLKSHFRHT
 GEKPYRSEDNCKSFKTSGDLQKHIRTHTGERPFKCPIEGGRSFTTSNIRKVVHIRTHTGERPYYCTEP
 GCGRAFASATNYKNHVRHITGEKPYVCTVPGCDKRFTEYSSLYKHHVVHTHSKPYNCHGKTYKQISTL
 AMHKRTAHNDTEPIEEEQEAFFPPPGQDDVLKGSQITYVTGVEGEDI VSTQVATVTQSGLSQQVTLIS
 QDGTQHVNISQADMQAIGNITIMVTQDGTPIVPTHTDAVISSAGTHSVAMVTAEGTEGQQVAIVAQDLAA
 FHAASSEMGHQPHSHHLVTTETRPLTLVATSNGTQIAVQLGEQPSLEEAIIRIASRIQQGTEPGLDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<ol style="list-style-type: none">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_001012169.1 , NP_001012169.1
RefSeq Size:	3040 bp
RefSeq ORF:	1881 bp
Locus ID:	361627
UniProt ID:	Q5XIU2
Cytogenetics:	1q33
MW:	67.7 kDa
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]