

Product datasheet for **MG209289**

Zfp143 (BC037658) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp143 (BC037658) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp143
Synonyms:	AA959806; AU015869; D7Ertd805e; 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)



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ORF Nucleotide Sequence:

>MG209289 representing BC037658
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGAATTTCTGGAGGAGGAATGGAGGCTCAACATGTTACCCTGTGCCTGACGGAGGCAGTAAACC
 TGGCAGATGGTGACAATTTAGAAAATATGGAAGGTGTGAGTTTACAAGCTGTGACACTCGCAGACGGCTC
 TACTGCTTACATACAGCATAATTCTAAAGACGGGAGACTCATTGATGGCCAGGTCACTTCACTGGAAGAT
 GTTTCTGCTGCCTATGTTTCCAGCATGTCCCACATCTAAAAGTAACAGTTATGACCAGAGCTCACTTCAGG
 CCGTTCAGTTAGAAGATGGGACAACAGCTTATATCCACCATGCAGTGCAAGTCCCACAGTCTGATACCAT
 CTTGGCAATTCAGGCTGATGGGACAGTGGCAGGGCTGCACACTGGGGATGCCACAATTGACCAGATAACC
 ATTAGTGTCTTGGAGCAGTACGCAGCAAAGGTATCCATTGATGGCAGTGACGGTGAACAAGTACAGGAA
 TGATTGGAGAGAATGAGCAAGAGAAAAAATGCAGATTGCTTACAAGGCCATGCTACTCGGTAACCTCC
 TAAATCTCAGCAGAGTGGAGAAAAGGCATTTCCGTTGCAAATACGACGGCTGTGGGAAACTCTATACAACA
 GCTCATCACCTTAAGGTCCATGAGCGCTCACACACAGGAGACCGCCTTACCAGTGTGAGCATTCAGGCT
 GTGGGAAAGCATTGCAACAGGTTATGGATTA AAAAGTCAATTCAGAACTCATACTGGAGAAAAGCCATA
 TCGGTGTTCAGAAGATAATTGTACAAAAGCTTTTCAAACCTTCCAGGAGATCTACAGAAGCACATCAGAACC
 CATACAGGAGAAAAGGCCCTTTAAGTGTCTATTGAAGGCTGTGGTCCGTCCTTTACCACATCAAATATCA
 GAAAAGTGCACATTAGGACACACACAGGAGAAAAGACCTTATTACTGCACAGAACCTGGATGTGGGAGGGC
 ATTTGCCAGCGCAACTAATTATAAAAACCATGTGAGGATACACACAGGAGAAAAGCCATATGTCTGTACA
 GTTCTGGGTGTGACAAAACGGTTTACAGAATATCCAGTTTGTATAAACACCATGTCTTACACTCACT
 CTA AACCATACA ACTGTAACCACTGTGGGAAGACGTACAACAGATTTCCACACTGGCCATGCACAACG
 GACAGCCCACAACGACACAGAGCCCATTTGAGGAGGAGCAGGAAGCCTTCTTCGAGCCTCCCCAGGTCAA
 GGTGATGATGTTCTTAAAGGGTCCAGATCACATATGTTACAGGTGTAGATGGAGAGGACATTGTATCTA
 CACAAGTAGCCACAGTAACCCAGTCTGGGCTGAGTCAACAAGTCACTCATATCACAGGATGGGACTCA
 ACATGTCAACATATCTCAAGCTGACATGCAGGCCATTGGCAACCCATCACCATGGTAACACAGGATGGC
 ACACCCATCACGGTCCCCACTCACGATGCAGTCTCTCCTCAGCAGGAACACATTCTGTTGCTATGGTTA
 CCGCGGAGGGCACAGAAGGACAGCAGGTCGCAATTGTAGCTCAAGATCTGGCAGCGTTCCATACAGCATC
 TTCAGAGATGGGACCAACAACATAGCCATCACCTAGTAACTACAGAAACCAGACCTCTGACCTTAGTG
 GCAACATCCAACGGCACCCAGATCGCAGTTCAGCTTGGAGAGCAGCCGTCTCTGGAAGAAGCTATCAGAA
 TAGCATCGAGGATCCAACAAGGGGAGACGCCAGGTTGGATGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209289 representing BC037658
 Red=Cloning site Green=Tags(s)

MTEFPGGMEAQHVTLCLTEAVTVADGDNLENMEGVSLQAVTLADGSTAYIQHNSKDGRLLIDGQVIQLED
 GSAAVYQHVPIPKSNSYDQSSLQAVQLEDGTTAYIHAVQVPSDTILAIQADGTVAGLHTGDATIDPDT
 ISALEQYAAKVSIDGSDGVTSTGMIGENEQEKKMQIVLQGHATRVTPKSQQSGEKAFRCKYDGGCKLYTT
 AHHLKVHERSHTGDRPYQCEHSGCGKAFATGYGLKSHFRHTHTGEKPYRSEDNCTKSFKTSGLDQKHIRT
 HTGERPFKPIEGGRSFTTNSIRKVVHIRTHTGERPYCTEPGCGRAFASATNYKNHVRIHTGEKPYVCT
 VPGCDKRFTEYSSLYKHHVVHHSKPYNCNHCGKTYKQISTLAMHKRTAHNDTEPIEEEQEAFFEPGGQ
 GDDVLKGSQITYVTGVDGEDIVSTQVATVTQSLSQQVTLISQDGTQHVNISQADMQAIGNTITMVTQDG
 TPITVPTHDAVISSAGTHSVAMVTAEGTEGQQAIVAQDLAAFHTASSEMBGHQHSHTLVTETRPLTLV
 ATSNGTQIAVQLGEQPSLEEAIIRIASRIQQGETPLDD

TRTRPLE – GFP Tag – V

Restriction Sites:

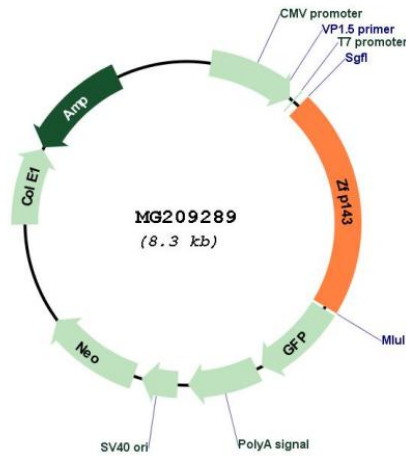
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC037658
 ORF Size: 1794 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:	<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:	BC037658.1
RefSeq Size:	2980 bp
RefSeq ORF:	1796 bp
Locus ID:	20841
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]