

Product datasheet for **MG209207**

Zfp37 (NM_009554) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp37 (NM_009554) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp37
Synonyms:	Tzn; Zfp-37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209207 representing NM_009554
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTACATCCGAGCCTGCGGAAAGCGATGCGGAATGGGAGCAGCTGGAACCTGTGCAGAGAGATGTGT
 ACAAGGATACGAAGCTAGAGAAGCTGCAGCAATCCAGCCTCCATGGGAAATCAAGATCCCAACAAGACAT
 AGTCTCCGTGTTGGAAGAAGAAGAGCCATCATCGGAAAGGGGAAAAAGCCAGCCCAAGTAGTCTGAAA
 AAAATAGCAAGGCCAAGACAGCAGGAACAAGTCAAACTCCAACAAGATGATGAGCATAGGGAGGAAA
 AGCAGAAGTCCCAAGCAAACCTACTAAGGAAGTACACTCAGGAAGAAAAGTTCCAACAGCAAGAAAAG
 CAGTGAGTATGGTTTGTGGAGAACAAGTCTCCACTCAAACACACTCCTTCCGAGAAAAAAGTCTT
 AAGTCCAGTTCCTGGGAAGAACTCGAATCAGAATTCAGACTCTCTGAAAAAGAAACCTGACACAGCTA
 ATGACCACAGGAAATCACTCAGCCATTCTGCATCTGATGTGAACAAGATGAAATCCAACCTAGAAAAGAA
 ATGCGACAAGTTACCAACAATAAGTTGTCTGATAAAGGTGACAAAAACCAACCAGCAAAAAATGTGAG
 AAAGTATGCCGTATAGTGCATCCCATACCAAGGAAGACAAAATTCAGACCGGGGAGAAACGGAAATCAC
 ACTGCCGTACTCCATCTAAACCTGAAAAAGCCCAAGTTCCTGGGAAACCTTATGAATGTAACCACTGTGG
 GAAGGTCTCAGCCATAAACAGGGACTCCTTGACCATCAAAGAACTCACACTGGGGAGAAACCATATGAA
 TGTAATGAATGTGGGATAGCTTTCAGCCAGAAGTCCCACCTTGTGTACATCAGAGAAGTCACTGGGG
 AAAACCATACGAGTGTGAACAGTGTGGCAAAGCACACGGACATAAACATGCCCTCACTGACCATCTAAG
 AATCCATACTGGAGAAAAGCCCTACAAATGTAATGAATGTGGCAAACGTTTAGACACAGCTCAAACCTT
 ATGCAACACCTAAGATCTCACACGGGTGAGAAGCCGTATGAATGTAAGGAATGTGGCAAATCCTTTAGAT
 ATAATTCATCTTACTGAACATGTGGAACACACAGGTGAAATACCATACGAATGTAACGAATGTGG
 CAAAGCTTCAAGTATGGCTCATCCCTGACTAAACATATGCGGATTCATACAGGGGAGAAACCATTTGAA
 TGTAATGAATGTGGGAAACTTTTAGCAAAAAGTACACCTAGTTATACATAAAGAACTCATACAAAGG
 AGAAACCTTATAAATGTGATGAGTGTGGGAAAGCCTTTGGACATAGCTCATCTCTTACCTACCATATGAG
 AACTCATACAGGTGACTGCCCTTTGAATGTAATCAATGTGGTAAGGCCTTTAAACAGATTGAAGGCCTT
 ACCCAACACCAGAGATTACACAGGGGAGAAACCTATGAGTGTGTTGAATGTGGGAAAGCCTTTAGTC
 AGAAGTACACCTCATCGTACACCAGAGAAGTATACAGGGGAGAAACCTTTGAATGTTATGAGTGTGG
 AAAAGCCTTCAATGCAAAATCACAACCTGTTATTATCATCAGAGATCCCACTGGAGAGAAACCTATGAA
 TGTATTGAATGTGTTAAAGCCTTCAAGCAAATGCCTCTTACCAAACATATGAAAATCACTCAGAAG
 AACAACTGAGGAAGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209207 representing NM_009554
 Red=Cloning site Green=Tags(s)

MATSEPAESDAEWEQLEPVQRDVYKDTKLENCNPASMGNDPKQDIVSVLEEEEPSSGKGGKASPSSLK
 KIARPKTAGTSAKLQQDDEHREEKQKSQSKLTKEVTLRKKSSNSKKSSEYGLLENKSLHSKHTPSEKLL
 KSSSRGKNSNQNSDSLKKKPDANDHRKSLSHSASDVNKDEIPTRKKCDKLPNNKLSDKGDKNQTSKKCE
 KVCRHSASHTKEDIQTGEKRKSHCRTPSKPEKAPGSGKPYECNHCQKVLSHKQGLLDHQRTHTEKPYE
 CNECGIAFSQKSHLVVHQRTHTEKPYECEQCGKAHGKHALTDHLRIHTGEKPYKNECGKTRFHSSNL
 MQHLRSHTGEKPYECKEGKSFYRNSSLTEHVRTHTEGEIPYECNECGKAFKYGSSLTKHMRHTGEKPF
 CNECGKTFSKKSHLVIHQRTHTKEKPYKDECGKAFGHSSSLTYHMRHTGDCPFECNQCGKAFKQIEGL
 TQHQRVHTGEKPYECECGKAFSQQSHLIVHQRTHTEKPFECYECGKAFNAKSQLVIHQRSHTGEKPYE
 CIECGKAFKQNASLTKHMKIHSEEQSEED

TRTRPLE - GFP Tag - V

Restriction Sites:

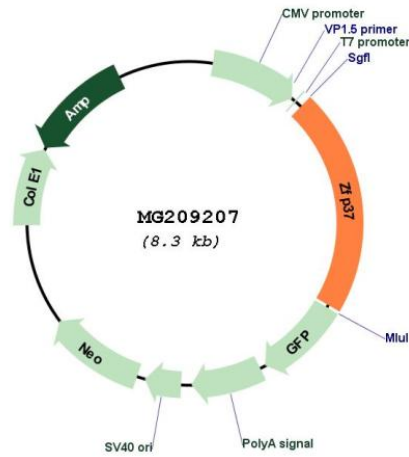
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_009554

ORF Size: 1770 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:	NM_009554.4 , NP_033580.3
RefSeq Size:	3579 bp
RefSeq ORF:	1773 bp
Locus ID:	22696
Cytogenetics:	4 33.04 cM
Gene Summary:	May have a role in regulating spermiogenesis.[UniProtKB/Swiss-Prot Function]