

## Product datasheet for **MR230617**

### Zfp37 (NM\_001290350) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp37 (NM_001290350) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp37
Synonyms:	Tzn; Zfp-37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230617 representing NM\_001290350  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTACATCCGAGCCTGCGGAAAGCGATGCGGTGAGGGCGAAGGAATGGGAGCAGCTGGAACCTGTGC  
 AGAGAGATGTGTACAAGGATACGAAGCTAGAGAACTGCAGCAATCCAGCCTCCATGGGAAATCAAGATCC  
 CAAACAAGACATAGTCTCCGTGTTGGAAGAAGAAGAGCCATCATCGGAAAGGGGAAAAAGCCAGCCCA  
 AGTAGTCTGAAAAAATAGCAAGGCCAAGACAGCAGGAACAAGTGCAAACTCCAACAAGATGATGAGC  
 ATAGGGAGGAAAAGCAGAAGTCCCAAAGCAAATTAAGGAAGTGACACTCAGGAAGAAAAGTTCCAA  
 CAGCAAGAAAAGCAGTGAGTATGGTTTGTGGAGAACAAAAGTCTCCACTCAAAACACACTCCTTCCGAG  
 AAAAACTGCTTAAGTCCAGTCCCGTGGGAAGAACTCGAATCAGAATTCAGACTCTCTGAAAAAGAAAC  
 CTGACACAGCTAATGACCACAGGAAATCACTCAGCCATTCTGCATCTGATGTGAACAAAGATGAAATTC  
 AACTAGAAAAGAAATGCGACAAGTTACCCAACAATAAGTTGTCTGATAAAGGTGACAAAAACCAACCAGC  
 AAAAAATGTGAGAAAGTATGCCGTCATAGTGCATCCCATACCAAGGAAGCAAAAATTCAGACCGGGGAGA  
 AACGGAATCACACTGCCGTAATCTAAACCTGAAAAAGCCCCAGGTTCTGGGAAACCTTATGAATG  
 TAACCACTGTGGGAAGGTCTCAGCCATAAACAGGGACTCCTTGACCATCAAAGAACTCACACTGGGGAG  
 AAACCATATGAATGTAATGAATGTGGGATAGCTTTCAGCCAGAAGTCCCACCTTGTGTACATCAGAGAA  
 CTCACACTGGGAAAAACCATACGAGTGTGAACAGTGTGGCAAAGCACACGGACATAAACATGCCCTCAC  
 TGACCATAAGAATCCATACTGGAGAAAAGCCCTACAAATGTAATGAATGTGGCAAACGTTTAGACAC  
 AGCTCAAACCTTATGCAACACCTAAGATCTCACACGGGTGAGAAGCCGTATGAATGTAAGGAATGTGGCA  
 AATCCTTTAGATAAATTCATCTTACTGAACATGTGAGAACACACACAGGTGAAATACCATACGAATG  
 TAACGAATGTGGCAAAGCTTCAAGTATGGCTCATCCCTGACTAAACATATGCGGATTCATACAGGGGAG  
 AAACCATTTGAATGTAATGAATGTGGGAAAACCTTTAGCAAAAAGTACACCTAGTTATACATCAAAGAA  
 CTCATACAAAGGAGAAACCTTATAAATGTGATGAGTGTGGGAAAGCCTTTGGACATAGCTCATCTTTAC  
 CTACCATATGAGAACTCATACAGGTGACTGCCCTTTGAATGTAATCAATGTGGTAAGGCCTTTAAACAG  
 ATTTGAAGCCTTACCAACACCAGAGAGTTCACACAGGGGAGAAACCTATGAGTGTGTTGAATGTGGGA  
 AAGCCTTAGTCAGAAGTACACCTCATCGTACACCAGAGAACTCATACAGGGGAGAAACCTTTGAATG  
 TTATGAGTGTGGAAAAGCCTTCAATGCAAAATCACAATGTTATTATCATCAGAGATCCCACACTGGAGAG  
 AAACCTATGAATGATTGAATGTGGTAAGCCTTCAAGCAAAATGCCTCTCTTACCAAAACATATGAAAA  
 TTTACTCAGAAGAACAATCTGAGGAAGAAGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230617 representing NM\_001290350  
 Red=Cloning site Green=Tags(s)

MATSEPAESDAVRAKEWEQLEPVQRDVYKDTKLENCNPNASMGNDPKQDIVSVLEEEEPSSGKGGKASP  
 SSLKKIARPKTAGTSAKLQQDDEHREKQKSQSKLTKEVTLRKKSSNSKKSSEYGLLENKSLHSHKHTPSE  
 KKLLKSSSRGKNSNQNSDSLKKKPDANDHRKSLSHSASDVNKDEIPTRKKCDKLPNNKLSKGDKNQTS  
 KKCEKVRHSASHTKEDIQTGEKRKSHCRTPSKPEKAPGSGKPYECNHCCKVL SHKQGLLDHQRTHTGE  
 KPYECNECGIAFSQKSHLVVHQRTHTGEKPYECEQCGKAHGKHALTDHLRIHTGEKPYKNECGKTFRH  
 SSNLMQHLSHTGEKPYECKEKGKSFYRNSSLTEHVRHTHTGEIPYECNECGKAFKYGSSLTKHMRHTHTGE  
 KPFEKNECGKTFSKKSHLVIHQRTHTKEKPYKDECGKAFGHSSSLTYHMRHTHTGDPCFECNQCGKAFKQ  
 IEGLTQHQRVHTGEKPYECVECGKAFSQKSHLIVHQRTHTGEKPFECYECGKAFNAKSQLVIHQRSHTGE  
 KPYECIECGKAFKQNASLTKHMKIHSEEQSEED

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001290350

**ORF Size:** 1782 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\\_001290350.1](#), [NP\\_001277279.1](#)

**RefSeq Size:** 3597 bp

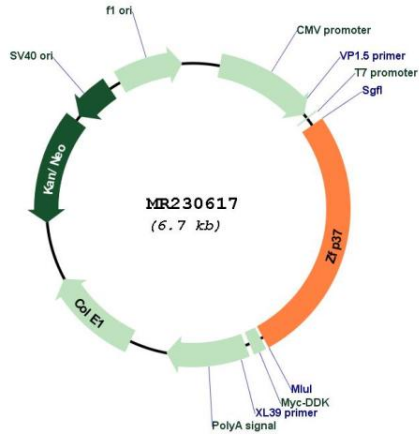
**RefSeq ORF:** 1785 bp

**Locus ID:** 22696

**UniProt ID:** [P17141](#)

Cytogenetics: 4 33.04 cM  
 MW: 67.7 kDa  
 Gene Summary: May have a role in regulating spermiogenesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR230617