

## Product datasheet for **MR211257**

### Zfp507 (NM\_177739) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp507 (NM_177739) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp507
Synonyms:	1810022O10Rik; A230056M16Rik; AL024009; AU021817; BB105092; Gm480; mKIAA1084; Znf507
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211257 representing NM\_177739  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGAAAGCAGCAGCATTGCCATGTTGGTGAAGAGATTGGAGAACCGGAGGCTGTGTTAACTGCTG  
 AAGGAGTCTCAGCCCTTCTCAGAAGTTGACCAACAAAAGAAAAGCTAAAGCAGATCCATTGGTCCACGT  
 TATCCAGAAGCTAAGCAAGATAGTGGGGCATGAGAAGTCAAAAAATGTCTACTGATTGGAAAAAGCGC  
 CCACGTCCAAGTGAACAGCAAACCTCTCTTAAAAAGCTAGAGAAGTGTGAGATTCCAGCTAAAGCCACTG  
 AGTCCCCTGCTGCTGGGGTTAGGAAAACCGAGATGTCACAGGCAAGTTCCTACTCTTGCTTCAATGATGG  
 GAAGGCTATGTCCTACCAGTGTAGCCTTTGTAAGTTCTGTACCATCCTTTTCTGTGCTGAAAGAGCAC  
 GTCAAGCAGCATGGGCAGCAGCATGACGTGATGCTCATGTGCTCGGAGTGCCACGCCACCTCCAGGAGCC  
 AGCAGGAGCTCGAAGCGCACGTGGTGAAGTGAAGCAGGAAACAGTCCAGTAGCCAGGCCCGGTCCAGCCC  
 CTCGGTCAAGGAGCCACAGAAAAGAGTGAAGCAGTGGTAGACATCCAGTGAACATGGGCAGTCCA  
 CAGACCATGCTGTCAGAGTGCAGCCATGGCAGAGTCCGGTCCGAGGAAGTGGTATGCATGAACAGT  
 ATGGCATGTACCGGTGCTTATTCTGTAGCTACACCTGCGGCCAGCAGCGGATGTTAAAGACACATGCTTG  
 GAAACATGCAGGGGAAGTAACTGCTCCTACCCAATCTTTGAGAAATGAAAATGAGCCCTTGGCCTTCTG  
 GCTTCTTCTATGTCTGCTGCACCTGGTGGGGTTGATGCAGTTGTCATTGCTATTGGGGACAGCGAGCTGA  
 GCATCCACAATGGGCCATCTGTACAAGTACAGATTTGCAGCTCTGACCCACCGTCTTCATCTCCTTTAGA  
 ACAAAGCACAGAGGGGAGTACACCTAAACAGGCGAGTACGCTGGACGCTAACGAGGAAGAAATGCTG  
 GAGGTGATGTCTGATTCCGAGGAGAATCTTTGCTGATAGTTTGCTATCTTCAGCACAGAAAATCATT  
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 CCCACAAAACATTTCTCATTAAATGCCGAAATGGAAAGGGGAAGAGCCCGAGCCCTCCGAAGCCAG  
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 ACCAGGACGGAGAAGGACAAATCTGAGTCTCTCAGGCTGCACCTCTAGCTGCAGAAGCCCTTGTACCC  
 ATGCCGATAAGAGCTGCTGAACTAACAAGAGCCAGCCTTGGGCACTATGGGGACATAAACCTTTTAGATC  
 CAGACTGGACAAGGCGAGTCAAGTGGTCCATTGGCAACATACTCAAAAAAATCATGTCTCCTCTTAA  
 GAATTCTACAGATGGAGTAAAGTAAAAACAAAGCAATCCACTGTGGTAGCTCTCCAGAGGGAAGG  
 CAGGAATTGTGATGGCAAGTAAAGACAGGCATCAGTATGTCCCTTACCCTAATAGAAAACTGA  
 GAGAAAGGACAGACCAGAATGCATCAGATGATGACATTTTGAAGAGTTGCAAGGACAATGCCAGTGTCA  
 GCCAACAGCGATGGGAGTTTGTGGGGTCCAACGTGGTGGAGTACATCCAGATGCCGAGCGGCCCTAC  
 CGATGCCGCTGTGCAACTACTCAAGTGGCAACAGGGGCTACATCAAGCAGCACCTGCGTGTCCATCGGC  
 AGAGGCAGCCTTACCAGTGTCTATCTGTGAGCAGATAGCTGAGAACAGCAAGACTTGGAAAGCCACAT  
 GATCAACCACTGTAAAACAGAATACACCAATGTAAGCAGTGCAGAAAGTCTTTCCATTACAAGAGCCAA  
 CTGAGGAATCATGAGAGAGAGCAGCACTGCCTGCCAACACCTTGTGAGTGTCTCGAATGAGCCAAAGAA  
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 GTGTGATGTGTGATTACACAAGTACAACGTACGTGCGGCTCAGGAACACAGACGATCCATAACTCA  
 GATAAGCCATACAGGTGCTCCTTGTGGGTATGTGTGACGCCACCCCTTCTTGAAGTACACATGT  
 GGAAACATGCAAGTGACCAGAACTACAACACAGCAAGTAAACAAGGCCATCAATGATGCAATCTCACA  
 AAGCGCCAGAGTTCTGGGAAAATCCCGTGGGAAACCGCTCTTAACAGCAGTGAAGAGAGAACTGGCCCT  
 ACCACAGGAGTCCAGAAAACCTGGTGTGCTCCTCAGAGCTCACTTCCAGCTGCCCGGTGAAGTTATGG  
 ACGCCAGCGAGCTTGAAGAACTGAACCCACAGGCTGCAGCTCTGACGTCTCAGGAAGAAGTGCAGCCT  
 GGCCGACACAGGACCGAGTACTGCGTGTGCTCTTCTGCTGCTGCATCTGCGGCTTGTGATCAACCAGC  
 AAGGAGAGCCTCCTGGATCAGATGAAGGAACATGAGGGGGAGATCGTCAGCATCATCTGAACAAGGACC  
 ACAGCACAGCCCTGAATGCCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR211257 representing NM\_177739  
 Red=Cloning site Green=Tags(s)

MEESSSIAMLVQEIGEPEAVLTAEGVLSPPSEVDQQRKAKADPLVHVIQKLSKIVGHEKSQKCLLIGKKR  
 PRPSETANSLEKLENCEIPAKATESPAAGVRKTEMSQASSTLASNDGKAMSYQCSLCKFLSPFSVLKEH  
 VKQHGGQHDVMLMCSECHATSRSSQEQLEAHVSEHENSASSQARSPPSGQATERKSETMVDIPVNMGSP  
 QTHAVQSAAMAESGRRKWAYAYEQYGMRYCLFCSYTCGQQRMLKTHAWKHAGEVNCYSYPIFENENEPLGLL  
 ASSMSAAPGGVDVAVIAIGDSELSIHNGPSVQVQICSSDPPSSSLEQSTEEGVHLNQAATLDANEEML  
 EVMSDSEENLFAADSLSSAQKIISSSPNKGHVNVIVERLPSAEETLPPKHFLINAEMEEGKSPSPSEAQ  
 TGCVAGNMYHADKCTVDIGGLIIGWSSAEKKDSEL SKGLAPDENAPPGRRTNSELRLHSLAAEALVT  
 MPIRAAELTRASLGHYGDINLLDPDTGQRQVSGPLATYSKKIMSPLKNSTDGVT SFNQSNSTVVALPEGR  
 QELSDGQVKTGISMSLLTVIEKLRERTDQNASDDDILKELQDNAQCQPNSDGSLLSNVVEYIPDAERP  
 RCRLCNYSSGNGYIKQHLRVHRQRQPYQCPICEHIAENSKDLESHMINHCKTRIHQCKQCKESFHYKSQ  
 LRNHEREQHCLPNTLSVASNEPRISDAADGKCAQEGNKPSTQKQYRCDVCDYTSITYVGVNRHRRVHNS  
 DKPYRCSLCGYVCSHPPSLKSHMVKHASDQNYNYEQVNAINDAISQSARVLGKSRGKPLLTSSEERTGP  
 TTGSPENLVSSSELTSQLPGEVMDASELEKLNPTGCSSDVSGRSCSLAAPGTEYCVLLFCCICGFESTS  
 KESLLDHMKEHEGEIVSIIILNKDHSTALNAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

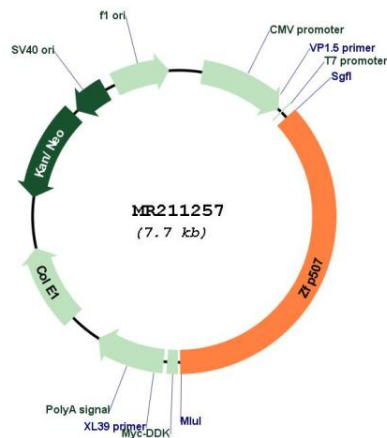


**ACCN:** NM\_177739

**ORF Size:** 2823 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\\_177739.3](#), [NP\\_808407.2](#)
- RefSeq Size:** 6702 bp
- RefSeq ORF:** 2826 bp
- Locus ID:** 668501
- UniProt ID:** [Q6ZPY5](#)
- Cytogenetics:** 7 B2
- MW:** 102.9 kDa
- Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR211257