

## Product datasheet for **MR206568**

### Zfp509 (BC028988) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp509 (BC028988) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp509
Synonyms:	4930518A03Rik; Zfp509; Znf509
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206568 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTTGGCCAGGAGGGAGGAGTCTGCTGCTAAGGAAGATGCAGTGGAGAGAGCTGGAAGCCAGACTGC  
TGAAGAAAAGGGAGGGGAGAAGTGGGTCCAGAGAGCAGCCGTGAGGAGGAGCTGCCAGGAGCCCCAGCT  
TCCTGGGAAGACCCGTCCAGGCTCTCCAGCCCCAGAAACAGTATGCATGTGAATTGTGTGGGAAGCCTT  
TTAAACACCCAAGCAATCTGGAGCTGCACAAACGGTCTCATAACAGGCAGGCAACCTTCAGACTCACTTAC  
GCCGGCACTCTGGGGAGAAGCCATACATCTGTGAAATCTGTGAAAGAGGTTTGGCGCCTCTGGTGACGT  
CCAGCGCCACATCATCATTCACTCTGGAGAGAAGCCACACTTGTGTGACACGTGCCGGCCGAGGGTTCAGC  
AATTTACGAATTTGAAAGAGCACAAAAAGACACACACGGCTGACAAGGTGTTTACCTGTGACGAGTGTG  
GGAAGTCTTTAACATGCAGAGGAAGCTGGTGAAGCACCGCTGCCGCACACGGGGAGCGGCCATACAG  
CTGCCCTGCCTGTGGGAAGTGTCTTGGGGGCTCAGGAGACCTGCCAGGCACGTGCCCACTCACACTGGG  
GAGAAGCCCTATAGCTGTGAGGTCTGCAGCAAGTGTTCACACGCTCGGCTGTGTGGCGGCACAAGA  
GGATGCACGGCAGAGCTGATGCCAGGAGCCCCGTTGTGCTGGGTGAGCTGAGCCGGCCATTGAGCCCTC  
TGACCTGGACAGGTCTCAGAGCTCGGACTCCTTCTCCAGGATGTGTCTGTACACTGATGCCTGTGTCT  
GTCAAGTCCCTGTGCAGCTGTGAAAGTTCGTGGCAGGATTCGATGGCCACTGTAGTGGCTCCTACT  
GTAAGTTACGCTCCATGCTTCGCCCTCCTGGCATGAGTGACCAGGACAGACTGAGCCTGGAACCTTCTAA  
GCTGGCCAAGCCACCGGAGCTGCAGAGCCAGCCACAGGCTACGCGTACTCAGATGTGGAGCCCTCAGCA  
GGTGTGGAGCAGCCACAGGCCGATGGCATGGCTGTGTCCCGCTTCCCTGGCCACTCTGGACAACCACT  
GCACTGAGCCACTGGGCAGCCGGGCACCTTCGGTGACCTACAGGAACCTCTGAGGGACAGTTTTTCTCCAG  
TATGACTCTCTGGGGCTGGCAATGAAGACACTGCAGAATGAACATGAGCTGGAGCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR206568 protein sequence  
 Red=Cloning site Green=Tags(s)

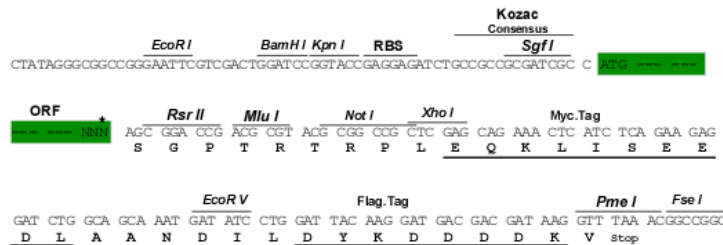
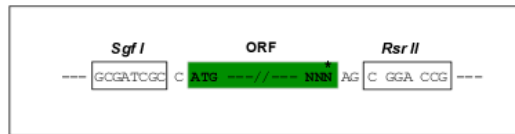
MGWPGGRSLLLRKMQWRELEARLLKKKGGENWVQRAAVRRSCQEPQLPGKTRPRLSSPRNSMHVNCVGSLLNTQAIWSCTNGLIQAGNLQTHLRRHSGEKPYICEICGKRFAASGDVQRHIIHSGEKPHLCDTCGRGFSNFSNLKEHKKHTADKVFTCDECGKSFNMQRKLVKHRVRHTGERPYSCPACGKCFGGSGDLRRHVRHTHTGKPYSCVCSKCFTRSAVLRHRKRMHGRADARSPVVLGELSRPIEPSDLDRSQSSDSFSQDVSVTLMPVSVKLPVQPVYESSVAGFDGHCSGSYCKLRSMRLRPPGMSDQDRLSLEPSKLAKPPELQSQPQAYAYSVDPEPSAGVEQPQADGMAVSRSSLATLDNHCTEPLGSRAPSVTYRNSEGQFFSSMTLWGLAMKTLQNEHELEQ

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC028988

**ORF Size:** 1248 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:** [BC028988](#), [AAH28988](#)

**RefSeq Size:** 2736 bp

**RefSeq ORF:** 1250 bp

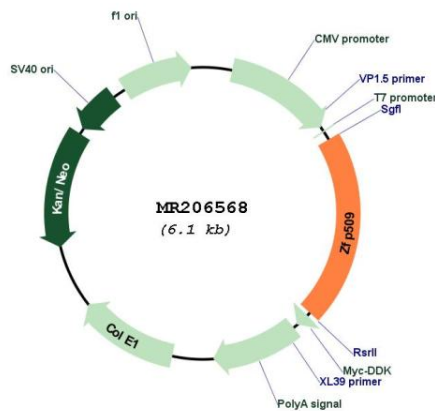
**Locus ID:** 75079

**Cytogenetics:** 5 B3

**MW:** 46.3 kDa

**Gene Summary:** Transcription factor. Inhibits cell proliferation by activating either CDKN1A/p21 transcription or RB1 transcription.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206568