

Product datasheet for **MG206568**

Zfp509 (BC028988) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp509 (BC028988) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp509
Synonyms:	4930518A03Rik; Zfp509; Znf509
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206568 representing BC028988 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTGGCCAGGAGGGAGGAGTCTGCTGCTAAGGAAGATGCAGTGGAGAGAGCTGGAAGCCAGACTGC
TGAAGAAAAGGGAGGGGAGAACTGGGTCCAGAGAGCAGCCGTGAGGAGGAGCTGCCAGGAGCCCCAGCT
TCCTGGGAAGACCCGTCCAGGCTCTCCAGCCCCAGAAACAGTATGCATGTGAATTGTGTGGGAAGCCTT
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CTGCCCTGCCTGTGGGAAGTGTCTGGGGGCTCAGGAGACCTGCCGAGGCACGTGCCCACTCACACTGGG
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GGATGCACGGCAGAGCTGATGCCAGGAGCCCCGTGTGTGGGTGAGCTGAGCCGGCCATTGAGCCCTC
TGACCTGGACAGGTCTCAGAGCTCGGACTCCTTCTCCAGGATGTGTCTGCACACTGATGCCTGTGTCT
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GTAAGTTACGCTCCATGCTTCGCCCTCCTGGCATGAGTGACCAGGACAGACTGAGCCTGGAACCTTCTAA
GCTGGCCAAAGCCACCGGAGCTGCAGAGCCAGCCACAGGCCTACGCGTACTCAGATGTGGAGCCCTCAGCA
GGTGTGGAGCAGCCACAGGCCGATGGCATGGTGTGTCCCGCTCTCCCTGGCCACTCTGGACAACCACT
GCACTGAGCCACTGGGCAGCCGGGCACCTTCGGTGACCTACAGGAACCTCTGAGGGACAGTTTTTCTCCAG
TATGACTCTCTGGGGCTGGCAATGAAGACACTGCAGAATGAACATGAGCTGGAGCAG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206568 representing BC028988
 Red=Cloning site Green=Tags(s)

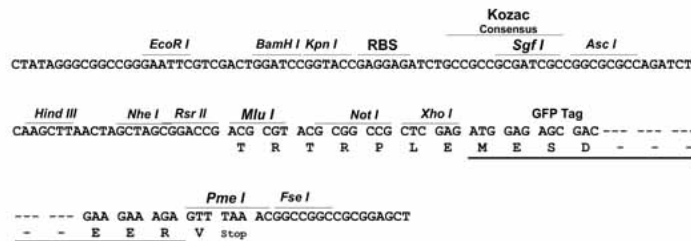
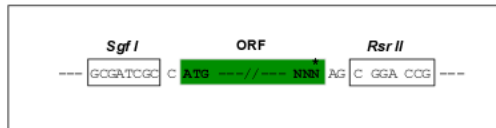
MGWPGGRSLLLRKMQWRELEARLLKKKGGENWVQRAAVRRSCQEPQLPGKTRPRLSSPRNSMHVNCVGSLLNTQAIWSCTNGLIQAGNLQTHLRRHSGEKPYICEICGKRFAASGDVQRHIIHSGEKPHLCDTCGRGFSNFSNLKEHKKHTADKVFTCDECGKSFNMQRKLVKHRVRHTGERPYSCPACGKCFGGSGDLRRHVRHTGTGKPYSCSEVCSKCFTRSAVLRHRKRMHGRADARSPVVLGELSRPIEPSDLDRSQSSDSFSQDVSVTLMPVSVKLPVQPVYESSVAGFDGHCSGSYCKLRSMRPPGMSDQDRLSLEPSKLAKPPELQSQPQAYAYS DVEPSA GVEQPQADGMAVSRSSLATLDNHCTEPLGSRAPSVTYRNSEGQFFSSMTLWGLAMKTLQNEHELEQ

SGPTRRRLE - GFP Tag - V

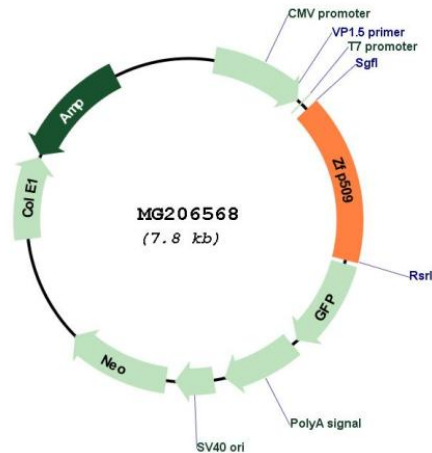
Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC028988

ORF Size:	1250 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:	BC028988 , AAH28988
RefSeq Size:	2736 bp
RefSeq ORF:	1250 bp
Locus ID:	75079
Cytogenetics:	5 B3
Gene Summary:	Transcription factor. Inhibits cell proliferation by activating either CDKN1A/p21 transcription or RB1 transcription.[UniProtKB/Swiss-Prot Function]