

Product datasheet for **MR208995**

Zfp354a (BC087540) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp354a (BC087540) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp354a
Synonyms:	AW488485; kid1; Tcf17; Znf354a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208995 representing BC087540
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

GTACCGAGGAGATCTGCCCGCGATCGCCGGCGGCCCATGATCCCATGCAACGGCGGGAGGACTGCA
 AAGGGCTGGTCTTCTGGGAGTCTCTCGGGATGCTGTGGAAAGCTGGATCCACCCAGATACGCTATTC
 GGTTCCCGAGGAGCTGGAGAAAGGATCTAGGGTGGCAACATCTCCAAGGATCTGGGGCTGGAGCCCGC
 GAGCTGGAGAAGCGAGGGGTCCGCATCGTCTCCAGAGGTAGGGCTCAACTTTTCGCTCTAAACCCTCGAA
 GCGGCAGCCTGGTACCAGCGGCCAGGATAGACCGGGAGGAGCTGTGTATGGGGTCCATCAAGTGTCAAGT
 AAATCTAGAGATTCTGATGGAAGATATAGGAAAAATACGGAGTAGAAAAGTGAAGTGAAGGACATTAAC
 GACAACGCTCCCTACTTCCGTGAAAGTGAATTAGAAAATAAAATGAGCGAAAACGCCCGCTGGGATGC
 GGTTCCCTCTTCCCACGCTTGGGATCCAGATATCGGGAAGAAGTCCGCTCAGAGCTACCAGCTCAGCCC
 GAATGCTCACTTCTCACTGGAGGTGCAGAACGGAGCTGATGGTAACAAGTACCCAGAATTGGTGTGGAG
 AGCTCGCTGGATCGGGAGGAAAAGGCCGCTCATCTCTAGTCCTACCGCTTCCGACGCGGGAGACCCGG
 TTCGACTGGCACAGCGGCATCCGCGTGTGGTGTGGATGCGAACGACAACGCACCTGCGTTTGTCTCG
 GTCGAGTACCGCGTGTGGGAGAACGTGGCTGTGGGCACTCAGCTGCTGCTGGTCAACGCCACC
 GACCCAGACGAAGGCCCAATGCGGAAGTATCTATTCCTCCGGTACGTGGACGACAAGGCAGCGAAAAG
 TTTTCAAGCTGGACAGTAACTGGGGACAATATCAACAATAGGGGAGCTGAATCATGAAGAATCGGGGT
 CTACGAGATGGAGGTGCAAGCTACAGATAACGCGGGATATTCTGCACGGGCAAGGTCTGGTACAGTT
 CTGGAGCTGAACGACAATGCCCTGAAGTAGCCATCACGTCCCTACCAACTCTGTCCAGAAAATCTC
 CCCAAGGGACATTAATAGCACTTTAAACGTAATGATCAAGATTCTGGGGAAAATGGACAGGTAATCTG
 TTCCATCCAAGAGAATCTGCCCTTTAAGTTAGAAAAGTCTACGGAAAATATTATAGATTAGTACAGAT
 GCAGTCTGGACCGAGAAGAGGTTCTAGTTACAACATACAATGACCGCCACTGACAGGGGAAAGTCCGC
 CCCTGACAACAGAAACTCACCTCGCACTGGACATAGCAGACACGAACGATAAAGTCCCGCTTTTCTTCA
 GGCCTCACTGGGCTACATCCAGAGAATAACCCTAGAGGGGCTCTATCGCATCCGTGACCGCCAC
 GACCCGACAGTGAACAAAATGCCCAAGTCACTTACTCCCTAGCTGAGGACACCCACCAGGGCGTCCCC
 TTTCTTACGTTTCCATCAACTCGGACTGGTGTCTGTACGCACTGCATTCCTTTGACTACGAGCA
 GTTCCAGACCTACAAGTGAAGTATAGCGGTGACAGCGGGGACCCGCCACTCAGCAGCAACGTGTCA
 CTGAGCTTGTGTGCTGGATCAGAATGACAACGTCCCGAAAATCTTGTACCCCACTCTCCCTACCGACG
 GTTCTACTGGAGTGGAGCTAGCACCCCGCTCAGCAGAGCCTGGCTATCTGGTGACAAAGGTGGTGGCAGT
 GGACAGAGACTCAGGACAGAAGCCTGGCTGTCCTACCGTCTGCTAAAGGCCAGCGAGCCAGGGCTCTTC
 TCCGTGGGGTGCACACGGGCGAGATAAGCACGGCTCGGGCCCTGATGGACAGAGATGCTCTAAACAGA
 ACCTCGTAGTGTCTGTGACAGGACACGGCCAGCCTCCTCTCTGCCACTGTACGCTCACTGTGGCGAT
 CGCCGACAGCATCCCGACGCTCTGGCAGATCTAGACAATCTAGAATCTCCTTCCACCTCCGAAACTTCA
 GGGCTCACTCTCTATCTGGTGGTGGCCGTGGCGGGTCTCCACCGTCTTCTGGTCTTTGTTCTGGTGC
 TGCTGGCGCTCAGGCTGCGGCGCTGGCACTCACTGCGCCTGCTCCGGGCTGGGGACCCGGATTGGCTGA
 CGTTGCAGCCTCTCACTTTGTGGCGTAGACGGAGTGAAGCTTTCTTGCAGACTTATTCGCACGAGGTC
 TCGCTCACTGCGGGCTCCCGAAAAGTCACTTGATTTTCCCGCAGCCCAACTATGCAGACAGCTCATCA
 GCCAGGAGAGCTGCGAGAAAACCGAGCCTCTTTTACCATCGGGTATTTCGGTTTTTTCTAAAGACAATCA
 TGCATTAATCAGCAAGCCCGCCCAACTGACTGGCGTTTCTCTCAAGCCAGAGACCCGGCACGAGC
 GGATCCAAAAATGGTGTGAAACTGGCACCTGGCCCAACAACAGTTTGATACAGAGATGCTGCAAGCCA
 TGATCTTGGCCTCTGCCAGCGAAGCTGTGATGGGAGCTCTACCCTGGGAGGGGGCGCTGGCACCATGGG
 TCTGAGCGCTCGATACGGACCCAGTTTACCCTGCAGCACGTGCCTGACTACCGCCAGAAGGTGTACATC
 CCTGGCAGCAATGCCAGCTGACCAATGCCGCTGGCAAACGAGATGGCAAGGCTCCAGCAGGTGGTAATG
 GCAACAAGAAGAAATCGGGCAAGAAAGAGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208995 representing BC087540
 Red=Cloning site Green=Tags(s)

VPRRSAAAIAGAPMIPMQRREDCKGLVFLGVLLGMLWKAGSTQIRYSVPEELEKGSRVGNISKDLGLEPR
 ELEKRGVRIVSRGRAQLFALNPRSGSLVTAGRIDREELCMGSIKQNLNLEILMEDIGKIYVEIEVRDIN
 DNAPYFRESELEIKMSENAAGMRFPLPHAWDPDIGKNSLQSYQLSPNAHF SLEVQNGADGNKYPELVLE
 SSLDREEKAAHLLVLTASDAGDPVRTGTARIRVMVVDANDNAPAFARSEYRVSVRENVAVGTQLLLVNAT
 DPDEGANAEVIYSFRYVDDKAAKVFKLDSNLGTISTIGELNHEESGFYEMEVQATDNAGYSARAKVLVTV
 LDVNDNAPEVAITSLTNSVSPNSPQGTLLIALLNVNDQDSGENGQVICSIQENLPFKLEKSYGNYYRLVTD
 AVLDREEVPSYNIITMTATDRGSPPLTTETHLALDIADTNDNSPVFLQASYWAYIPENNPRGASIASVTAH
 DPDSKNAQVTYSLAEDTHQGVPLSSYVSINSDTGVLYALHSFDYEQFPDLQLQVIARDSGPPLSSNVS
 LSLFVLDQNDNVPEILYPTLPTDGSTGVELAPRSAEPGYLVTKVAVDRDSGQNAWLSYRLLKASEPGLF
 SVGLHTGEISTARALMDRDALKQNLVSVQDHGQPPLSATVTLTVAIADSIIPDVLADLDNLESPSTSETS
 GLTLYL VVAVAAVSTVFLVFLVLLALRLRRWHSRLRLRAGGPGLADVAASHFVGVDGVQAFLLQTSHEV
 SLTAGSRKSHLIFPQPNYADTLISQESCEKTEPLLP SGDSVYF SKDNHALNQQAPPNTDWRFSQAQRPGTS
 GSQNGDETGTWPNNQFDTEMLQAMILASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVDPYRQNVYI
 PGSNATLTNAAGKRDGKAPAGGNGKKKSGKKEKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



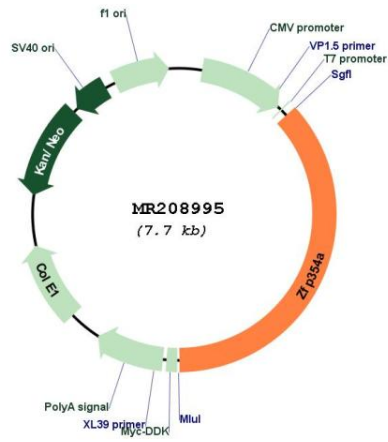
* The last codon before the Stop codon of the ORF

ACCN: BC087540

ORF Size: 2835 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC087540.1
RefSeq Size:	4180 bp
RefSeq ORF:	1715 bp
Locus ID:	21408
Cytogenetics:	11 30.97 cM
MW:	153.2 kDa
Gene Summary:	It may play a role in renal development and may also be involved in the repair of the kidney after ischemia-reperfusion or folic acid administration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208995