

## Product datasheet for **MR221399**

### Zfyve9 (NM\_183300) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfyve9 (NM_183300) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfyve9
Synonyms:	Madhip; NSP; SARA; SMADIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR221399 representing NM\_183300  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAATTTGAACAAAATGAAGGTTTTCTGTGCTTCTGCTGCAGCCTAAAATGCAAACCTGCTGTACATGG  
ACAGAAAGGAAGCCAGAGTGTGTGAATCTGCACTCAGTGCTGATGAATGCTCAAGCCTGGGAGAACAT  
GATGAGTGCCTCAAGCCAGAGCCCTAACCTAACAACTCTGCTGAATACTGTTCTACTATCCCTCCCTTG  
CAGCAAGCTCAGGCCTCAGGAGCCCTGAGCTCTCCACCTCCCACTGTGATGGTACCTGTGGGAGTTTAA  
AGCACCCTGGAACAGAAGTGCCTCAGCCAGAGAGCAGAGGAGAGTTGGTTTGTGATGGGATCTTACC  
TAATGGAGAAGTTGCTGATGCAGCCAAATTAACAATGAATGGAACCTCTCTGCAGGAACCTGGCTGTG  
TCACATGACCCAGTCAAGCCTGTAGCCACCAGTCTCTCCAACAGAGGCTGATACTTCTCTGTTCTCTG  
GGAGCATTACTCAGGTTGGAAGTCTGTTGGAAGTGAATGAACCTTATTCCTGAAGATGGCCTTCTCC  
CATCCTCATCTCCACTGGTGTGAAAGGAGATTATGCTGTGGAAGAGAAACCATCACAGATTCAGTCATG  
CAGCAACTGGAGGATGGTGGCCCTGACCCACTTGTCTTTGTTTTAAATGCAAATTTATTGTCAATGGTTA  
AAATTGTAATATGTGAACAGGAAGTGTGGTGTTTACAACCAAGGGATGCATGCCGTGGGTCAATC  
TGAGATAGTTATCTTCTGCACTGTCTGCCAGATGAGAAATGTTGCCTAAGGACATCTTAACTACTTT  
GTACAGCTTTACCGGGACGCCCTGGCAGGGAATGTTGTGGGCAGCCTGGGACATTCTTCTTCAAGTCAA  
GTTTCTGGGCAGTAAAGAACATGGTGGGTTCTTGTATGTGACATCTACCTACCAGTCACTGCAAGACCT  
GGTGCTTCCAACCCCTCCTTACCTGTTGGGATTCATCCAGAAATGGGAACTCCTTGGGCCAAAGTG  
TTTCCCATACGACTCTTGTAAAGACTTGGAGACTGGCCATACCATCATGAATCTTCTAGCAGACTCCGAAATTA  
GATTCGGAAGCCATTATTTGGAGAGACTGGCCATACCATCATGAATCTTCTAGCAGACTCCGAAATTA  
CCAGTATACTCTGCCAGTTGTCCAAGGTTTGTGGTGTATGGAAGTTCGAAAAACAAGCATCAAATTT  
CCCAGCAACAGATATAATGAGATGATGAAAGCCATGAACAAATCCAATGAACATGTACTGGCAGGAGGTG  
CCTGCTTCAATGAAAAGGCAGATTCTCATCTTGTGTGTACAGAACGATGATGGAACTATCAAACCCA  
GGCCATCAGTATTCACAATCAGCCAGGAAAGTACTGGCAGCAGTTTCTTGTGTTTCAAGTGGCAGCTG  
AAATCCTTTCAGGATACCTTGCCAAGTCCAGTATTGTAGAAGATGGAGTCATGGTCCAGATCACTGCGG  
AGAACATGGACTCCTTGAGGCAGGCACTGCGGGAGATGAAGGACTTTACCATCACTTGTGGGAAGGCGGA  
TGCAGAGGACCCCAAGAACAGATCCACATCCAGTGGGTGGACGATGACAAGACAGTTAACAAAGGTGTG  
GTGAGTCTATAGATGGGAAGTCTATGGAATCTATAACAACGTGAAAAATTCCATGGGTGAGAGTATA  
AAGCAAACGGAAAAGTCAATCAGATGGACAGAGGTGTTTTCTGGAAAACGATGACCACCATAACTGCCT  
GAGTGACCCTGCAGATCACAGCAGACTGACTGAGCATGTCGCAAGGCATTCTGCCTCGCCCTTGCCTCC  
CACCTGAAGCTTTTAAAAGAAGATGGAATGACAAAACCTGGGACTCCGTGTGACGCTTACTCAGATCAGG  
TTGGCTATCAAGCAGGGAGCAATGGCCAGCCCTTCCCTCGCAGTACATGAACGATCTGGACAGTGCCTT  
GGTGCCTGTCATTATGGAGGAGCCTGCCAGCTCAGTGAAGGCCCTGTCGTATGGAACCTCATCTTTTAT  
ATTCTGGAAAACATCGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR221399 representing NM\_183300  
Red=Cloning site Green=Tags(s)

MNLNKMVFCASCCSLKCKLLYMDRKEARVCVICHSVLMNAQAWENMMSASSQSPNPNNAEYCSTIPPL  
 QQAQASGALSSPPPTVMVPVGVLKHPGTEVPQPREQRRVWFADGILPNGEVADAAKLTMNGTSSAGTLAV  
 SHDPVKPVATSPLPTEADTSLFSGSITQVGSVPVSAMNLIPEGLPPILISTGVKGDYAVEEKPSQISVM  
 QQLEDGGPDPLVFVLNANLLSMVKIVNYVNRKWCFTTKGMHAVGQSEIIVLLQCLPDEKCLPKDIFNHF  
 VQLYRDALAGNVVGSGLGHSFFSQSFLGSKEHGGFLYVTSTYQSLQDLVLPPTPYLFGILIQKWETPWAKV  
 FPIRLLLLRLGAEYRLYPCPLFSVRFKPLFGETGHTIMNLLADFRNYQYTLPVVQGLVVDMEVRKTSIKI  
 PSNRYNEMMKAMNKSNEHVLGAGACFNEKADSHLVCVQNDGNYQTQAISIHNQPRKVTGASFFVFSGAL  
 KSSSGYLAKSSIVEDGVMVQITAENMDSLRLQALREMKDFTITCGKADAEDPQEIQHIQWVDDDKTVNKGV  
 VSPIDGKSMESITNVKIFHGSEYKANGKIVRWTEVFFLENDHHNCLSDPADHSRLTEHVAKAFCLALCP  
 HLKLLKEDGMTKLGRLVTLDSQVGYQAGSNGQPLPSQYMNDLDSALVPVIHGGACQLSEGPVVMELIFY  
 ILENIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9098\\_f07.zip](https://cdn.origene.com/chromatograms/mm9098_f07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_183300

**ORF Size:** 2118 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\\_183300.4](#)

**RefSeq Size:** 2170 bp

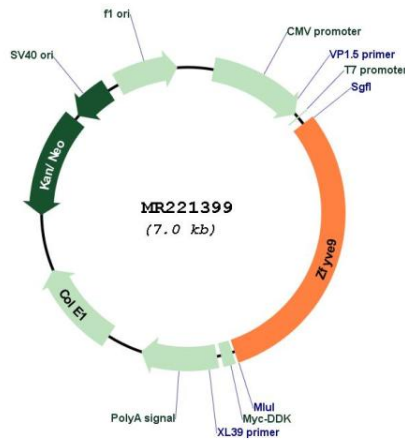
**RefSeq ORF:** 2121 bp

**Locus ID:** 230597

**Cytogenetics:** 4 C7

**MW:** 77.5 kDa

**Product images:**



Circular map for MR221399