

Product datasheet for **MG221399**

Zfyve9 (NM_183300) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfyve9 (NM_183300) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfyve9
Synonyms:	Madhip; NSP; SARA; SMADIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221399 representing NM_183300
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATTTGAACAAAATGAAGGTTTTCTGTGCTTCTCTGCTGCAGCCTAAAATGCAAACCTGCTGTACATGG
 ACAGAAAGGAAGCCAGAGTGTGTGAATCTGTCACTCAGTGTGATGAATGCTCAAGCCTGGGAGAACAT
 GATGAGTGCCTCAAGCCAGAGCCCTAACCCTAACAATCCTGCTGAATACTGTTCTACTATCCCTCCCTTG
 CAGCAAGCTCAGGCCTCAGGAGCCCTGAGCTCTCCACCTCCCACTGTGATGGTACCTGTGGGAGTTTAA
 AGCACCCTGGAACAGAAGTGCCTCAGCCAGAGAGCAGAGGAGAGTTGGTTTGTGATGGGATCTTACC
 TAATGGAGAAGTTGCTGATGCAGCCAAATTAACAATGAATGGAACCTCCTCTGCAGGAACCTGGCTGTG
 TCACATGACCCAGTCAAGCCTGTAGCCACCAGTCTCTCCAACAGAGGCTGATACTTCTCTGTTCTCTG
 GGAGCATTACTCAGGTTGGAAGTCTGTTGGAAGTGAATGAACCTTATCCTGAAGATGGCCTTCTCC
 CATCCTCATCTCCACTGGTGTGAAAGGAGATTATGCTGTGGAAGAGAAACCATCACAGATTCAGTCATG
 CAGCAACTGGAGGATGGTGGCCCTGACCCACTTGTCTTTGTTTTAAATGCAAATTTATTGTCAATGGTTA
 AAATTGTAATATGTGAACAGGAAGTGTGGTGTTTACAACCAAGGGATGCATGCCGTGGGTCAATC
 TGAGATAGTTATCTTCTGCAGTGTCTGCCAGATGAGAAATGTTTGCCTAAGGACATCTTTAATCACTTT
 GTACAGCTTTACCGGGACGCCCTGGCAGGGAATGTTGTGGGCAGCCTGGGACATTCTTTCTTCAAGTCAA
 GTTTCCTGGGCAGTAAAGAACATGGTGGGTTCTTGTATGTGACATCTACCTACCAGTCACTGCAAGACCT
 GGTGCTTCCAACCCCTCCTTACCTGTTGGGATTCATCCAGAAATGGGAACTCCTTGGGCCAAAGTG
 TTTCCCATACGACTCTTGTAAAGACTGGAGACTGGCCATACCATCATGAATCTTCTAGCAGACTTCCGAAATTA
 CCAGTATACTCTGCCAGTTGTCCAAGGTTAGTGGTTGATATGGAAGTTCGAAAAACAAGCATCAAATTT
 CCCAGCAACAGATATAATGAGATGATGAAAGCCATGAACAAATCCAATGAACATGTACTGGCAGGAGGTG
 CCTGCTTCAATGAAAAGGCAGATTCTCATCTTGTGTGTACAGAACGATGATGGAACTATCAAACCCA
 GGCCATCAGTATTCACAATCAGCCAGGAAAGTACTGGCGCCAGTTTCTTTGTGTTTCAAGTGGCGCACTG
 AAATCCTTTCAGGATACCTTGCCAAGTCCAGTATTGTAGAAGATGGAGTCATGGTCCAGATCACTGCGG
 AGAACATGGACTCCTTGAGGCAGGCACTGCGGGAGATGAAGGACTTTACCATCACTTGTGGGAAGGCGGA
 TGCAGAGGACCCCAAGAACAGATCCACATCCAGTGGGTGGACGATGACAAGACAGTTAACAAGGTGTG
 GTGAGTCTATAGATGGGAAGTCTATGGAATCTATAACAACGTGAAAAATTCCATGGGTGAGAGTATA
 AAGCAAACGGAAAAGTCAATCAGATGGACAGAGGTGTTTTCTGGAAAACGATGACCACCATAACTGCCT
 GAGTGACCCTGCAGATCACAGCAGACTGACTGAGCATGTCGCAAGGCATTCTGCCTCGCCCTTGCCTCC
 CACCTGAAGCTTTTAAAAGAAGATGGAATGACAAAACCTGGGACTCCGTGTGACGCTTACTCAGATCAGG
 TTGGCTATCAAGCAGGGAGCAATGGCCAGCCCTTCCCTCGCAGTACATGAACGATCTGGACAGTGCCTT
 GGTGCCTGTCATTATGGAGGAGCCTGCCAGCTCAGTGAAGGCCCTGTCGTATGGAACCTCATCTTTTAT
 ATTCTGAAAAACATCGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221399 representing NM_183300
 Red=Cloning site Green=Tags(s)

MNLNKMVFCASCCSLKCKLLYMDRKEARVCVICHSVLMNAQAWENMMSASSQSPNPNNAEYCSTIPPL
 QQAQASGALSSPPPTVMVPVGVLKHPGTEVPQPREQRRVWFADGILPNGEVADAACLTMNGTSSAGTLAV
 SHDPVKPVATSPLPTEADTSLFSGSITQVGSVPVSAMNLIPEGLPPIILISTGVKGDYAVEEKPSQISVM
 QQLEDGGPDPLVFVLNANLLSMVKIVNYVNRKCWCFTTKGMHAVGQSEIVILLQCLPDEKCLPKDIFNHF
 VQLYRDALAGNVVGSGLGHSFFSQSFLGSKEHGGFLYVTSTYQSLQDLVLPPTPYLFGILIQKWETPWAKV
 FPIRLLLLRLGAEYRLYPCPLFSVRFKPLFGETGHTIMNLLADFRNYQYTLPVVQGLVVDMEVRKTSIKI
 PSNRYNEMMKAMNKSNEHVLGAGACFNEKADSHLVCVQNDGNYQTQAISIHNQPRKVTGASFFVFSGAL
 KSSSGYLAKSSIVEDGMVQITAENMDSLRQALREMKDFTITCGKADAEDPQEIQHIQWVDDDKTVNKGV
 VSPIDGKSMESITNVKIFHGSEYKANGKIVRWTEVFFLENDHHNCLSDPADHSRLTEHVAKAFCLALCP
 HLKLLKEDGMTKLGRLVTLDSQVGYQAGSNGQPLPSQYMNDLDSALVPVIHGGACQLSEGPVVMELIFY
 ILENIA

TRTRPLE - GFP Tag - V

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](#)

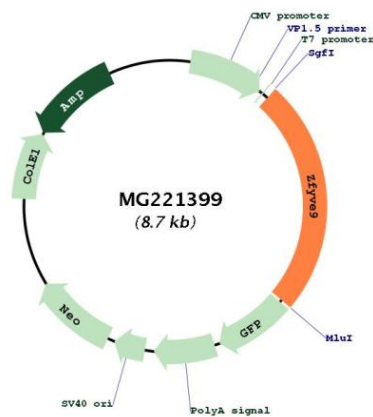
RefSeq Size: 2170 bp

RefSeq ORF: 2121 bp

Locus ID: 230597

Cytogenetics: 4 C7

Product images:



Circular map for MG221399