OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG216944

Zfp106 (NM_011743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp106 (NM_011743) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp106
Synonyms:	Cd-1; D2Dcr28; H3a; Sh3bp3; sirm; zfp-106; Znf106
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG216944 representing NM_011743
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTACGAGAACGAAAATGCATATTGTGCCACATCGTGTATGGCTCAAAAAAGGAGATGGATGAACACA
TGCGAAGCATGTTGCATCACAGGGAACTTGAGAACCTGAAGGGCAGGGACATTAGTCATGAGTGCCGAGT
GTGCCGGGTCACAGAAGTGGGTCTCTCTGCATATGCAAAGCACATTTCTGGCCAGTTGCACAAAGATAAT
GTTGATGCCCAGGAAAGAGAAGATGATGGAAAGGAAGAGGAAGAGGAAGAGTATTTTGATAAGGAACTTG
TTCAGTTAATACAAGAAAGAAAAGAACAAAGTCGACAAGATGAACCTCCCAGTAACAGCCAAGAAGTAAA
CTCAGATGACAGGCAGCCCCAGTGGAGACGAGAAGACCGAATCCCTTACCAAGACAGAGAGAGCTATAGT
CAGCCACCAAGACACCATCGTGGACCCCCACAGAGAGACTGGAAATGGGAAAAGGATGGCTTTAATAGTA
CTAGAAAAAACAGCTTTCCACATTCTTTGAGGAATAGTGGTGGACCAAGAGGAAGTTCTGTCTGGCATAA
AGGTGCTACAAGAGGCTCTTCAACTTGGTTCCTTAATCATAGCAATTCTGGAGGAGGCTGGCATTCAAAC
AATGGGATGGTAGATTGGAATTATAATGGTACAGGAAGGAATTCCAGTTGGCATTCTGAAGGAACAGGTG
GCTTTCCCAGCTGGCACATGAACAACAGTAACGGAAACTGGAAATCCAGTGTACGTAGTACGAATAGCTG
GAATTACAATGGCCCTGGAGACAAATTTCAACAAGGCAGAAACAGAAATCCTAACTATCAAATGGAAGAC
ATGACCAAGATGTGGAACAAGAAATCTAATAAGCCAAGCAAGTACAGTCAGGAGAGATGCAAGTGGCAGA
GGCAAGACAGGGACAAAGCTGCCAAGTACAGGAGTCCTCCTGAGGGATACGCAAGCGATACGTTTCCTTC
AGAAGGCTTACTTGAGTTCAATTTTGAACAGCGAGAAAGTCAAACCACTAAACAAACAGACACGGCAGCC
TCAAAAATTAATGGAAAAAATGGCACCAAAGCAAGGGACAAGTTCCGCCGCTGGACACCTTACCCTTCCC
AGAAGACTCTAGATTTACAGTCAGCCCTGAAAGAAGTCATTGGCAGCAAGTCAGACACACTAGAGAAGCC
TCTCTTTAATTTTAGCTTAATAACTGCAGGACTGCGCAAACCAGTTGATAAAACAAGTAATCCTCCAGTG
ATAAAAACACAAAAAGCAGGACCTCCTGGATCTCCCAGTCACAAAGCCATTTCTGATGGCACTGCTTTCT
GTGAGGTGCCAAGAGCTTGCCCCATTACCGAGCAATCTGAGCCACATCAGAAGTCAAATAAGATTCCATT
ACTGAAATCCCCACTCCTTCCACTTCCAACCCCTAAATCAGGTCCTCATAAGCAAAATTTAAAGAACCGC

View online »

TCAAAAAATAAGGAGACAAAGTCCTTTCCTTCTGGAGATCACTCACATCTCCTGAACACTTCTACTTTAG
AAGGTAGCCATGGTTCTTCCTACACATCCAAATCACGCGGTTTATGTCCTCGTGTTTTAAAGGAGAATAA
AACTGTATCAGGCACTCAAAAAGAACCTGACGAGAAGTTAAATAGCACATCACAGAAAGCCCAAGACACA
GTGCTACAGTGTCCCAAAACACTGCAGAATCCACTCCCTACCACACCCAAAAGGACGGAGAACGATGCAA
AAGAAAGTAGTGTAGAAGAGTCTGCCAAAGACTCTCTGAGCATCGAGTCTCAGCCACACTCAGCTGGAAA
CAGTGCCATGACATCTGATGCAGAAAACCATGGCATAAAAAGTGAAGGTGTGGCTTCACTGACCACAGAG
GTTGTGTCCTGCAGCACTCACACCGTGGATAAGGAACAAGGGAGCCAGATCCCAGGAACACCCGAGAACC
TCTCCGCCTCCCCATGTAATTCCACAGTTCTCCAGAAAGAGGCTGAGGTACAAGTGTCAGCAGCGACCAG
TCCACACTCTGGCTTACTGCTAAACTTGAAGACCTCTCTAGAAGATGCGCAGGACAACAACCTTGTTAAA
TCTGATGGACCTTTTGAAACTGAGAGCTTTGAGGACACTAGCCTGGATGCAGAGCTTCAAAAACCTGATC
TCAATAATCAGCCCCCAGGCACGCTTCTTCCCGAACTAAGTAAACTTGGTTTTCCCGCCTCGCTCCAGAG
AGATCTAAGCCGACACATCAGTTTGAAGTCCAAAACAGGAACACATCTCCCAGAGCCAAACCTCAATAGC
GCTCGACGAATTCGCAATGTTAGTGGCCATAGAAAGAATGAAACAGAAAAGGAATCTGGGCTTAAGCCAA
CCCTACGACAGATTCTAAATGCATCAAGGAGAAATGTCAACTGGGAACAGGTCATTCAGCAAGTAACCAA
GAAAAAGCAAGAGCTGGGCAAAGGCTTACCCAGGTTTGGCATAGAAATGGTACCTTTGGTTCAAAATGAA
CAGGAAGTCTTGGATTTAGATGAAGAGCCTGATCTGTCCAGTCTGGAAGGATTCCAGTGGGAAGGAGTTT
CCATTCCCTCATCCTCTGGCTTGGCAAGAAAGCGAAGTCTTTCTGAAAGCAGCGTGGTCATGGACAGGGC
TCCTGTGTATAGCTTCTTTACTGGGGAGGGTACTGGTAAAGAAAATGAAGCCCAGCAGAGTCCTTCACCT
AATACTGCCCTGAGTGCTGCCCAGAGTCAGAAGACAGCCATGTATCTTGAACAGGAAGTGGCCCCTCTGA
CTCCCTCTGTCGGAACAGGTGAAAGGGTTGGAAACATTCCTACCCAGCGGCGACATAGTGCACAGTTACC
GTCTGGTCACATAATGCCTGTCATGCATTCAGCCCGAGACCTGCACAGCCAGGAGAGGTCTACCCCACTG
TCAGAGCGCCATGCCCAGGAGAGCACTGGAGAAGGAAACTCACTCACATCAAATGCATCTTCAGGTCATG
CAGTCTCCAGCTTAGCAGATGCAGCCACTGACAGCAGCTGTACCTCTGGTGCTGAGCAAACCGATGGTCA
CAGTATTAGAAAGAAGCGAAGAGCCACCGGGGATGGATCTTCCCCTGAACTACCAAGTCTTGAGAGAAAA
AATAAACGAAGGAAAATTAAAGGGAAGAAAGAACGTTCTCAGGTTGACCAGCTATTAACTATTTCCTTAA
GAGAGGAAGAACTGAGCAAGTCTCTGCAGTGCATGGACAACAAGCTCCTGCAGGCGCGGGCAGCACTGCA
GACAGCGTACGTTGAAGTTCAGAGGCTACTCGTGCTTAAGCAGCAGATAACTGTGGAGATGAGTGCACTG
AGGACTCACAGAATACAGATTCTACAAGGATTGCAAGAAACATATGAACCTCCTGAGCACCCAGACCAGG
CTCCCTGTAGCCTCATATCACGAGAACAAAGGAACAGCCGATCTCAGACATCTTTTGAGACAGCTCTGCT
GCCTGCACCCTTTTTCCCGGGGTTTCTGGATCCACCTCCTTCCCATGCATCTCTACCATCCTCTGGAAAC
CCTCTCCAAATAACCACGTGTACTTTACAAGCCCATGGCACTGCCCCTGATTCATCGGTTCAGATTAAAC
AAGAGCCCATGTCTCCTGAACAAGAGGGGAATATGAATGCTTTGCCACAAGGCTGTGCTTCCAATGTGTC
CAAGGAATTACTGCAAACTAATAGAGTGGTCGATGACGGCTCTTCAGTTTACCCAGCCATCCCTGCAGTG
ATAGCATCAGAGTCAACAGAGAACTGCCAGGAGGTTAGCAAAGATCTGAATTTTTCTGTGGAGCAAGGAA
ATTCCAGAAGCAAAGGAAACTCTCCCTCTTGCCAGTCTCCTGATCTTCCTGGCATAAACAGAGGTGAAGA
GACAGCCAAAGGCAGCAGTGGATCTGAAGCCTGCAGCAGTTCTTTTCTGAGATTGTCTTTCACTCCCGAA
ACGCCTGCAGAGAAGGAAACTCAGTCTCCAGCTGACCAGCCTGAGCAGCAGGCAGAATCCACACTGGCAT
CAGCTGAAACTAGAGGTAGCAAGAAGAAGAAGAAACTTCGGAAGAAGAAGACGCTTCGGGCCACTCATGT
TCCTGAGAACAGTGACACAGAGCAGGATGTGTTCACGGCTAAGCCTGCAAGGAAGGTCAAAACTGCAAAG
GCAGCTAAAGGGGCGAAAGTGACAACCAGCCAGACTGGTCAGGAGCAAGGAACTGCCAGAGATGAGCCAG
ACAGCGATTCTTCTCTGGAAGTCCTGGAAGTCACAAATCCTCAGTTAGAAGTAGTTGCCATTGATACTTC
TGAATCGGGAGACGAGAAACCTGACAGTCCATCGAAAAAAGATGCCTGGATCGCTGCAGAACAGAACCCC
ATAGAAACTTCTCGTTCTGGTTGTGATGAGGTTAGCTCTACCAGTGAGCTTGGCACCCGCTACAAGGATG
GTGTTCCTGTGAGTGTGGCGGAAACCCAGACGGTGATCTCCATCAAAGCATCTAAGCACTCTTCAGAAAT
ATCTTCAGAGCCGGGAGATGATGAGGAGCCTACAGAAGGAAGCTTCGAAGGACACCAGGCTGCAGTGAAT
GCAATTCAGATATTTGGAAACTTCCTGTATACTTGTTCAGCAGACACAACTGTCCGGGTTTATAATCTGG
TGAGTCGAAAGTGTGTTGGTGTCTTTGAGGGACACACTTCCAAAGTGAACTGCCTTCTTGTCACTCACAC
CTCTGGGAAGAGTTCTGTCCTCTACACGGGTTCCAGTGACCACACCATCCGCTGCTACAATATTAAGACC
CGAGAGTGTATGGAACAGTTACAGCTGGAAGACCGTGTCCTCTGCCTTCATAATAGATGGCGAACCCTCT
ATGCTGGACTAGCAAATGGCACTGTGGTCACATTCGACATAAAGAACAACAAGCGACAGGAGATCTTTGA
ATGCCATGGCCCTCGGGCAGTCAGCTGCCTCGCAACAGCTCAGGAAGGTGCCCGAAAACTGCTGGTTGTA
GGATCTTACGACTGCACCATTAGTGTTCGTGATGCACGGAACGGACTGCTGCTCCGAACCCTGGAGGGCC

ACAGCAAGACTGTTCTGTGCATGAAGGTAGTGAATGACCTTGTGTTCAGTGGCTCCAGCGACCAGTCGGT
GCATGCTCACAACATCCATACTGGGGAGCTTGTGCGCATCTATAAAGGCCACAACCATGCAGTCACTGTG
GTGAATATTCTGGGGAAAGTGATGGTGACTGCTTGCCTGGACAAGTTTGTTCGTGTCTATGAGTTACAGT
CCCATGATCGACTGCAAGTTTATGGAGGGCACAAAGACATGATTATGTGTATGACCATCCATAAGAGTGT
GATTTACACTGGCTGTTATGATGGCAGCATCCAGGCTGTGAGGCTCAATCTGATGCAGAATTACCGCTGT
TGGTGGTATGGCTGTACTCTGATATTTGGCGTTGTGGATCACTTGAAACAACACTTGCTGACTGACCACA
CCAATCCCAACTTCCAGACGCTGAAGTGTCGATGGAGGAACTGCGATGCCTTTTTTACAGCCAGGAAAGG
ATCCAAGCAGGACGTTGCAGGACATATTGAACGCCACGCTGAAGATGACAGCAAAATAGATTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

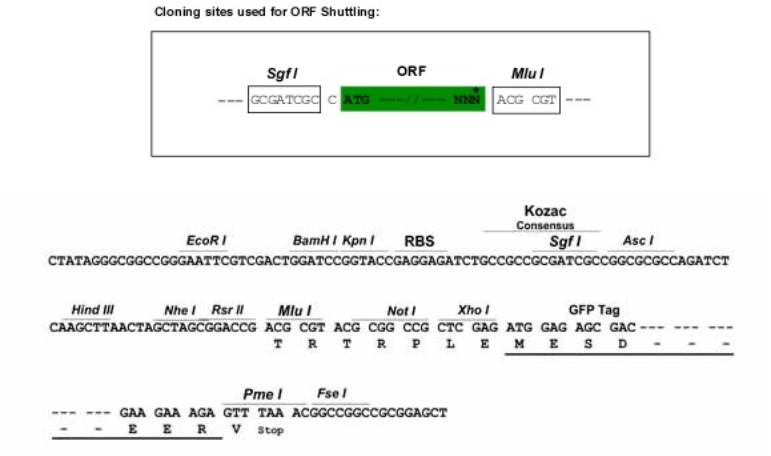
>MG216944 representing NM_011743
Red=Cloning site Green=Tags(s)

MVRERKCILCHIVYGSKKEMDEHMRSMLHHRELENLKGRDISHECRVCRVTEVGLSAYAKHISGQLHKDN
VDAQEREDDGKEEEEEEYFDKELVQLIQERKEQSRQDEPPSNSQEVNSDDRQPQWRREDRIPYQDRESYS
QPPRHHRGPPQRDWKWEKDGFNSTRKNSFPHSLRNSGGPRGSSVWHKGATRGSSTWFLNHSNSGGGWHSN
NGMVDWNYNGTGRNSSWHSEGTGGFPSWHMNNSNGNWKSSVRSTNSWNYNGPGDKFQQGRNRNPNYQMED
MTKMWNKKSNKPSKYSQERCKWQRQDRDKAAKYRSPPEGYASDTFPSEGLLEFNFEQRESQTTKQTDTAA
SKINGKNGTKARDKFRRWTPYPSQKTLDLQSALKEVIGSKSDTLEKPLFNFSLITAGLRKPVDKTSNPPV
IKTQKAGPPGSPSHKAISDGTAFCEVPRACPITEQSEPHQKSNKIPLLKSPLLPLPTPKSGPHKQNLKNR
SKNKETKSFPSGDHSHLLNTSTLEGSHGSSYTSKSRGLCPRVLKENKTVSGTQKEPDEKLNSTSQKAQDT
VLQCPKTLQNPLPTTPKRTENDAKESSVEESAKDSLSIESQPHSAGNSAMTSDAENHGIKSEGVASLTTE
VVSCSTHTVDKEQGSQIPGTPENLSASPCNSTVLQKEAEVQVSAATSPHSGLLLNLKTSLEDAQDNNLVK
SDGPFETESFEDTSLDAELQKPDLNNQPPGTLLPELSKLGFPASLQRDLSRHISLKSKTGTHLPEPNLNS
ARRIRNVSGHRKNETEKESGLKPTLRQILNASRRNVNWEQVIQQVTKKKQELGKGLPRFGIEMVPLVQNE
QEVLDLDEEPDLSSLEGFQWEGVSIPSSSGLARKRSLSESSVVMDRAPVYSFFTGEGTGKENEAQQSPSP
NTALSAAQSQKTAMYLEQEVAPLTPSVGTGERVGNIPTQRRHSAQLPSGHIMPVMHSARDLHSQERSTPL
SERHAQESTGEGNSLTSNASSGHAVSSLADAATDSSCTSGAEQTDGHSIRKKRRATGDGSSPELPSLERK
NKRRKIKGKKERSQVDQLLTISLREEELSKSLQCMDNKLLQARAALQTAYVEVQRLLVLKQQITVEMSAL
RTHRIQILQGLQETYEPPEHPDQAPCSLISREQRNSRSQTSFETALLPAPFFPGFLDPPPSHASLPSSGN
PLQITTCTLQAHGTAPDSSVQIKQEPMSPEQEGNMNALPQGCASNVSKELLQTNRVVDDGSSVYPAIPAV
IASESTENCQEVSKDLNFSVEQGNSRSKGNSPSCQSPDLPGINRGEETAKGSSGSEACSSSFLRLSFTPE
TPAEKETQSPADQPEQQAESTLASAETRGSKKKKKLRKKKTLRATHVPENSDTEQDVFTAKPARKVKTAK
AAKGAKVTTSQTGQEQGTARDEPDSDSSLEVLEVTNPQLEVVAIDTSESGDEKPDSPSKKDAWIAAEQNP
IETSRSGCDEVSSTSELGTRYKDGVPVSVAETQTVISIKASKHSSEISSEPGDDEEPTEGSFEGHQAAVN
AIQIFGNFLYTCSADTTVRVYNLVSRKCVGVFEGHTSKVNCLLVTHTSGKSSVLYTGSSDHTIRCYNIKT
RECMEQLQLEDRVLCLHNRWRTLYAGLANGTVVTFDIKNNKRQEIFECHGPRAVSCLATAQEGARKLLVV
GSYDCTISVRDARNGLLLRTLEGHSKTVLCMKVVNDLVFSGSSDQSVHAHNIHTGELVRIYKGHNHAVTV
VNILGKVMVTACLDKFVRVYELQSHDRLQVYGGHKDMIMCMTIHKSVIYTGCYDGSIQAVRLNLMQNYRC
WWYGCTLIFGVVDHLKQHLLTDHTNPNFQTLKCRWRNCDAFFTARKGSKQDVAGHIERHAEDDSKIDS

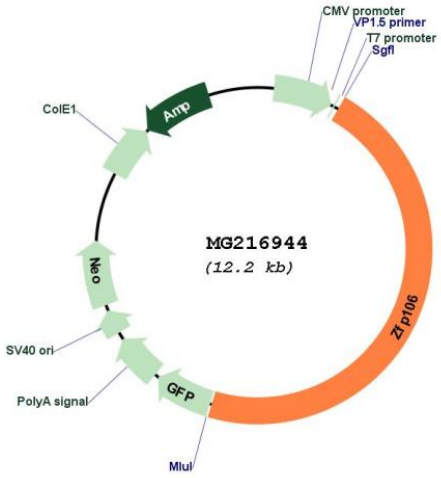
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011743

ORF Size: 5664 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_011743.3, NP_035873.2
RefSeq Size:	9100 bp
RefSeq ORF:	5667 bp
Locus ID:	20402
Cytogenetics:	2 60.37 cM