

Product datasheet for **MG218239**

Zc3h12c (NM_001162921) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h12c (NM_001162921) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zc3h12c
Synonyms:	A230108E06; C230027N18Rik; mKIAA1726
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218239 representing NM_001162921
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCGGGCCCGGGCGCCGAGGAAACCGACCCACGGCTGTGATCCTGCCGCTCGGACCCTCGC
 GCGCTCGTGGGAATACGGGTGCTTTGCATTCAAGAATACAGGAAAAGCAGCAAAGTGGAGTCAAGTGC
 ACGGAACAGCTTCATGGCCTGAAGGATCACCTGGGCATGATCTTGGCCATCTTTATATGGAGAGCACT
 GACCCACAGATGAGTGCAGCTGTGCCTTGGCCTATGGTAGAGAAACCAACAATGGATACAGTCAATTGCG
 GGAAGGAAGAAAAGGGTGTGAGAAGAGAATGTGAGCTCCGGCGACTCTGAGGGAAGCAGGTTCTGA
 TCATGAGTCAGAACAACTGAGTAGCCTTTCGGTAGAGCCATGCTCATTAAACCAAGACTCACAGACAGCTA
 TGTGCTCTCCCTGCTTAGAGCCTCGCCTACTGAAACACAGTGACATTTTGAAGACTTTAAACCAGAAG
 AGTCCCAGACTCCATCTAAGGAAGTGAAGAAACCCCTGATGTGGTTCGAGAATACCAAACAAAAGTGA
 GTTTGCACTTAAGTTAGTTTATTCTGAAGAACAGGTCCAGCTTGTCTAAACAACTTGGTACTGATGCT
 TTAATCAATGATATATTGGGAGAACTTGTCAAACCTTGGAAATAAAAGTGAAGCCGATCAAACAGTTAGTA
 CTATTAACAGCGTAATGCGAGAAACCTCATCCCTGGAGTCTCAGAGGTCTGAATCTCCAATGCAAGAGGT
 TGTAGTAGATGACGGTGAGAATCTGAGACCAGTAGTTATTGATGGCAGCAATGTGGCAATGAGCCATGGA
 AACAAAGAAGTATTCTCGTGGCAGGAATAAAATGGCGGTGGATTGGTTTTGGAAAGAGGCCATAAAG
 ATATCACGGTCTTTGTTCTGCTGGAGAAAAGAACAGTCCCGCCTGACGCCCTCATCACAGATCAGGA
 AATTTTACGTAACCTAGAGAAGGAAAAATCCTGGTATTCACACCATCACGGCGTGTCCAGGGCAGGCGA
 GTGGTGTGCTATGATGACAGATTCATCGTGAAGCTGGCTTTTGGTCCGATGGTATAATTGTGTCCAATG
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 TTTCTGAGGAAGAAACCCATTGTTCTGAGCACAAAAAGCAGCCTTGTCCCTATGGAAAGAAGTGTACGT
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 GCATAAGGACTCACGTCTACCAAGACATAGAGGAGAAGCTTCCACCAAAAAACAAGTTGGAACCAGGTC
 TGTACCTTCTTAGTTAGTATCCCGCCACTTCTACTGCAAAACCCAAAGCACTACACCTTTAAGCAAT
 GGCCTTCCATCTGGAGTTCATTTCCACCTCAGGATCAAAGACCAGGGACAATACCCTCCAATGATGA
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 CCCACCAAGTTTACGACATTCGAAGGCACCACACCTAGGGAGGTCCTTGTGGCCACGAGAATAGACAGC
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 TAGGAAGCTGGGGTAGGCCAAGCTATGGCTGGAAGCATATGGCTATCGGCAGACGTAATCCTTACCCGA
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 AGAATCCCTACTGTGGAATGCCACACGATCCTCCAAGTACCAGGACAACCGAGAGAAGATTTTTATCA
 ATTTGTGTAACATCTTCCCCCTGACCTTGTGAGGCTCGTCATGAAAAGGAATCCTCATATGACGGATGC
 CCAGCAGCTCGCCGAGCCATCTTAGTGGAGAAATCGCAGCTGGGTTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG218239 representing NM_001162921
 Red=Cloning site Green=Tags(s)

MEAGPAAEENGPTAVILPLGSRARGEYGVLCIQEYRKSSKVESSARNSFMGLKDHLGHDLGHLYMEST
 DPQMSAAMPWPMVEKPTMDTVNSGKEGKGVSEENVSSGDSEGSTSSDHESEQLSSLVPEPCSLTKTHRQL
 CRSPCLEPRLKHSIDILQDFKPEESQTPSKEVKKPPDVVREYQTKLEFALKLGYSEEQVQLVNLKLGTDAL
 LINDILGELVKLGNKSEADQTVSTINSVMRETSSLESQRSESPMQEVEVDDGENLRPVVIDGSNVAMSHG
 NKEVFSRCRGIKLAVDWFLERGHKIDITVFPAWRKEQSRPDALITDQEILRKLEKEKILVFTPSRRVQGRR
 VVCYDDRFIVKLAFESDGIIVSNDNYRDLANEKPEWKKFIDERLLMYSFVNDKFMPPDDPLGRHGPSLDN
 FLRKKPIVPEHKKQPCPYGKKCTYGHKCKYYHPERGSQPQRVADELRAMSRNTAAKTTNEGGLVKSNSV
 PCSTKADSTSDVKRGAPKRQSDPSIRTHVYQDIEEKLPKTKLETRSVPSLVSIPATSTAKPQSTTPLSN
 GLPSGVHFPPQDQRPQGQYPPMMMATKNHGTMPYEQYPKCDSPVDVGYYSMLNAYSNLSISGPRSPERR
 FSLDTDYRVNSVASDCSSEGSMSGSSDSYVGYNDRSYVSSPDPQLEESLKCQHMHPHSRLNSQPFLQNF
 HDPLTRVQSYSHEEPKFHPKRPLPHLAMHLQHPAVGARSSCPGDYSPPPSAHSAKAPHLGRSLVATRIDS
 ISDSRLYDSSPSRQRPYSRQEGLGSWGRPSYGLEAYGYRQTYSLPDNSTPPCYESITFQSLPEQQEPTW
 RIPYCGMPHDPPTYRQDNREKIFINLCNIFPPDLVRLVMKRNPHMTDAQQLAAAILVEKSQGLGY

TRTRPLE - GFP Tag - V

Restriction Sites:

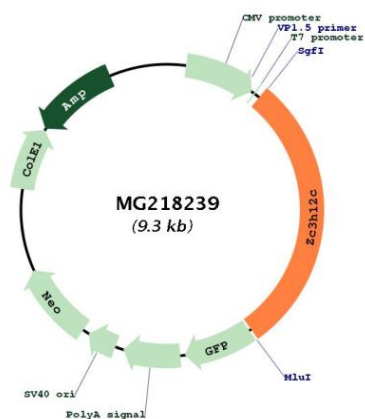
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001162921
ORF Size:	2709 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:	NM_001162921.2
RefSeq Size:	6133 bp
RefSeq ORF:	2712 bp
Locus ID:	244871
UniProt ID:	Q5DTV4
Cytogenetics:	9 A5.3
Gene Summary:	May function as RNase and regulate the levels of target RNA species.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218239