

Product datasheet for **MG218838**

Zc3h14 (NM_001160108) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h14 (NM_001160108) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zc3h14
Synonyms:	1010001P15Rik; 1700016A15Rik; 2700069A02Rik; AU014748
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218838 representing NM_001160108 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATGTCTTCAAGGTTTTTCATCACCATCTCTACCAGTTTTCTCTCACCAGAGCCAGCTGACTTAG
GCTCTCTGACAAGTGCTTCTTGTTCACTAAATGAGCTGGGCAATATTTCTACCTTTTGAGGAAAATAGC
AACTGATATCAATGAAATGAAAGGAATGAAAGCAGCTATTTTGACAGTGGAAAGCAATCTTTTTGATTTG
AATGTTAGAGTGTCCAGAACGAAGCAAAAATTTTCATCTTTAGAGTTAAAATGAATGAATATTTAACAT
CAACATCTGAATGCAACAGACAGTTGGAAGATTTCAAGAGAGACTAGAATTTGAGTCACAGTCAGAGAC
TACTGATGCAAACCTAATTGGCTTCCTAACAGAGGTTGAGAAAGGAACTCAACAGAGGCAATTGTTATCC
CGACTGCAAATGATCCAGTAATGGTAGAAACAATGGAGATGAGTCAAGCCGAGATGACTGACCTGAGTG
TGGCACAGAAACCAGAAAACTTCTGGAGCGCTGCAAGTACTGGCCTGCCTGTAAAAATGGGGATGAGTG
TGTATACCATCATCCATTTTACCTTGCAAAGCCTTTCCCACTGTAATTTGCTGAGAAATGTTTGTTT
GTGCATCCAAATGTAATATGACACAAAGTGTACTAAAGCAGATTGTCCTTCACTCACATGAGTAGAA
GAGCCTCGATACTGACTCCAAAACAGTGTCTGACCAGCACCGTCTTCTAATGGCCAGCTCTGCCGTTA
CTTCCCTGCTTGAAGAAAATGGAATGTCCCTTCTACCACCAAAACACTGTAGGTTTAACTACTAGTGT
ACGAGACCTGACTGCACATTTTATACCCACCATTACTGTGCCACCAAGACACGCTTGAATGGATTG
GACCTCAGAGCAGTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218838 representing NM_001160108
 Red=Cloning site Green=Tags(s)

MKMSSRFSSPSLPVFLSPEPADLGLTSASCSLNLGNISYLLRRIATDINEMKGMKAAILTVEANLFDL
 NVRVVSQNEAKISSLEVKMNEYLTSTSECNRQLEDFQERLEFESQSETTDANLIGFLTEVEKGTQQRQLLS
 RLQIDPVMVETMEMSQAEMTDLVAQKPEKLLERCKYWPACKNGDECYHHPISPCKAFPNCCKFAEKCLF
 VHPNCKYDTKCTKADCPFTHMSRRASILTPKPVSSPAPSSNGQLCRYFPACKKMECPFYHPKHCRFNTQC
 TRPDCTFYHPTITVPPRHALKWIRPQSSE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001160108

ORF Size: 927 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_001160108.1](#), [NP_001153580.1](#)

RefSeq Size: 2357 bp

RefSeq ORF: 930 bp

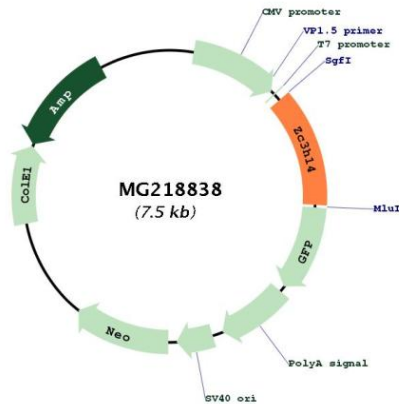
Locus ID: 75553

UniProt ID: [Q8BJ05](#)

Cytogenetics: 12 E

Gene Summary: Involved in poly(A) tail length control in neuronal cells. Binds the polyadenosine RNA oligonucleotides.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218838