

Product datasheet for **MG217782**

Zc3h14 (NM_001008506) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h14 (NM_001008506) 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)



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ORF Nucleotide Sequence:

>MG217782 representing NM_001008506
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG
 CTTACGTAGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAT
 GACAGAGGACCTGTCCTGTTTCTAGGGAAACAACAATTTCGATTCACCGTATGGCTCCATGGTGTATTA
 GATAAACTGCGCTCTGTACGACTGAGCCCTCTAGTCTAAAGTCTCTGACGCCAGCATCTTCGATAGTC
 ACGTGCCTTCAAACAAGAGCAGTTTCAGTCGGGGAGATGAGAGAAGGCACGAAGCTGCCGTCCTCCCT
 TGCTGTTTCTAGTCTAGACCTGAAAAGAGGGATTCCAGAGTTTCTACAAGTTCACAGGAGCAGAAATCC
 ACTAATGTCAGACATTCATATGATGATGGAGCTCCACCCGGCTAATGTCAACAGTGAAACCTCTGAGGG
 AACCAGCACCTCTGAAGATGTGATTGATATCAAGCCAGAACCAGATGATCTCATTGATGAAGACCTCAA
 TTTTGTGCAGGAGAATCCCTTATCTCAGAAAAACCTACAGTGACACTTACATACGGTTCCTCTCGCCCT
 TCTATTGAAATTTATCGACCACCTGCAAGTAGAAATGCAGACACTGGTACTCACTTAAACAGGCTGCAAC
 TTCATCCGCAGCAAAGCAGTGCTCACGCTGCCAAGCAGCTGGATGTACAAGCAGCCAGGTATCCGAAGC
 AGGACGGTGTGTGAGCCACCACTGCTTAGCAGCGTAGAAGACACTTATAGCCCCCTTCTTCAGAAACAAC
 TTGGATAAAATGAGTATTGAGGACGAAAACCTTCGAAAGAGAAAATTGCCTGTGGTAAGTTCCGGTTGTTA
 AAGTAAAAAGATTTAGCCATGATGGAGAAGAGGAGGAAGAAGATGAGGATTATGGGACCCGCATAGGAAG
 CTTGTCCAGCAGCGTGTCACTACCAGCAAAGCCTGAGAGGAGACCTTCTCTTCCACCTTCTAAACAAGCT
 AACAAGAATCTAATTTGAAGGCTATCTCTGAAGCTCAAGAGTCTGTAACAAGACAACACTAATCTCTG
 CAGTCCACAGAAAACAGACACTTCCAGTTGCTCCAGAACTCGAACTTCTCAAGAAGAATTGCTAGCAGA
 AATGGTCCAGGGCAAAAACAGGGCCCCAGAATAAGTCCCCTGTTAAAGAAGAGGAAGCAAAAAGGAGAT
 AATACAGGAAAAAGTCAAGGAACTCAACAGAGGCAATTGTTATCCCGACTGCAAAATTGATCCAGTATGG
 TAGAAACAATGGAGATGAGTCAAGCCGAGATGACTGACCTGAGTGTGGCAGAAAACAGAAAAACTTCT
 GGAGCGCTGCAAGTACTGGCCTGCCTGTAATAATGGGGATGAGTGTGTATACCATCATCCCATTTACCT
 TGCAAAGCCTTCCCAACTGTAATTTGCTGAGAAATGTTTGTGTGCATCCAAATTGTAATATGACA
 CAAAGTGTACTAAAGCAGATTGTCCTTCACTCACATGAGTAGAAGAGCCTCGTACTGACTCCAAAACC
 AGTGTCTGACCAGCACCGTCTTCTAATGGCCAGCTCTGCCGTTACTTCCCTGCTTGAAGAAAATGGAA
 TGTCCTTCTACCACCAAAACACTGTAGGTTTAAACTCAGTGTACGAGACCTGACTGCACATTTATC
 ACCCCACCATTAAGTGTGCCACCAAGACACGCCTTGAAATGGATTGACCTCAGAGCAGTGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217782 representing NM_001008506
 Red=Cloning site Green=Tags(s)

MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL
 DKLRVSTTEPSSLKSPDASIFDSHVPSNKSSF SRGDERRHEAAVPLAVSSSRPEKRDSRVSTSSQEQKS
 TNVRHSYDDGASTRLMSTVKPLREPAPSEDVIDIKPEPDDLIDEDLNFVQENPLSQKKPTVTLTYGSSRP
 SIEIYRPPASRNADTGHLNRLQLHPQQSSAHAAKQLDVQSSQVSEAGRLCEPPVLSVEDTYSPPFRNN
 LDKMSIEDENFRKRKLPVVSSVVKVRF SHDGEEDDEDEDYGRIGSLSSSVSVPKPERRPSLPPSKQA
 NKNLILKAISEAQESVTKTTNYSVAVPQKQTLPVAPRTRTSQEELLAEMVQGNRAPRISPPVKEEEAKGD
 NTGKSQGTQQRQLL SRLQIDPVMVETMEMSQAEMTDLSVAQKPEKLLERCKYWPCKNGDECVYHHPI SP
 CKAFPNCCKFAEKCLFVHPNCKYDTKCTKADCPFHMSRRASILTPKPVSSPAPSSNGQLCRYFPACKKME
 CPHYHPKHCRFNTQCTRPDCTFYHPTITVPPRHALKWIRPQSSE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001008506

ORF Size: 1812 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_001008506.2](#), [NP_001008506.2](#)

RefSeq Size: 3163 bp

RefSeq ORF: 1815 bp

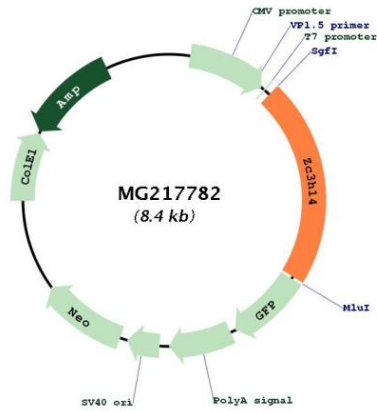
Locus ID: 75553

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 MG217782