

## Product datasheet for **MR216261**

### Zc3h14 (NM\_029334) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h14 (NM_029334) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zc3h14
Synonyms:	1010001P15Rik; 1700016A15Rik; 2700069A02Rik; AU014748
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR216261 representing NM\_029334  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG  
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 GACAGAGGACCTGTCCTGTTTCTAGGGAAACAACAATTCGATTCACCGTATGGCTCCATGGTGTATTA  
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 ACGTGCCTTCAAACAAGAGCAGTTTCAGTCGGGGAGATGAGAGAAGGCACGAAGCTGCCGTCCTCCCT  
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 CTTGTCCAGCAGCGTGTCACTACCAGCAAAGCCTGAGAGGAGACCTTCTCTCCACCTTCTAAACAAGCT  
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 CAGTTCACAGAAAACAGACACTTCCAGTTGCTCCAGAACTCGAACTTCTCAAGAAGAATTGCTAGCAGA  
 AATGGTCCAGGGGCAAAACAGGGCCCCAGAATAAGTCCCCTGTTAAAGAAGAGGAAGCAAAAGGAGAT  
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 TATTCTGAAGAAGCCAAAGCTGTCTGAGGAAATAGTAGTGACACCCAACCAGGATTCGGGGATGAAGACT  
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 AGGTTTAAACTCAGTGTACGAGACCTGACTGCACATTTATCACCCACCATTACTGTGCCACCAAGAC  
 ACGCCTTGAATGGATTGACCTCAGAGCAGTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216261 representing NM\_029334  
 Red=Cloning site Green=Tags(s)

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MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL
DKLRSVTTEPSSLKSPDASIFDSHVPSNKSSF SRGDERRHEAAVPLAVSSSRPEKRDSRVSTSSQEOKS
TNVRHSYDDGASTRLMSTVKPLREPAPSEVIDIKPEPDDLIDEDLNFVQENPLSQKKPTVTLTYGSSRP
SIEIYRPPASRNADTGHNLNRLQLHPQQSSAHAAKQLDVQSSQVSEAGRLCEPVLSSVEDTYSPPFRNN
LDKMSIEDENFRKRKLPVSSVVKVRF SHDGEEDDEDEDYGRIGLSLSSVSVPAPKERRPSLPPSKQA
NKNLILKAISEAQESVTKTTNYSAVPQKQTLPVAPRTRTSQEELLAEMVQGQNRAPRISPPVKEEEEAKGD
NTGKSQGTQQRQLL SRLQIDPVMVETMEMSQDYDMESMVHADTRSFILKKPKLSEIIVVTPNQDSGMKT
ADALRVL SGHLMQTRDLVQDPKASPKEIVTLDGVPSPPGYMSDQEEEMCFEGMKPVNQT SASNGLRGL
LHPQQLHLLSRQLED PDGSF SNAEMTDL SVAQKPEKLLERCKYWPACKNGDEC VYHHPISPKAFPNCKF
AEKCLFVHPNCKYDKTKADCPFTHMSRRASILTPKPVSPAPSSNGQLCRYFPACKKMECPFYHPKHC
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```

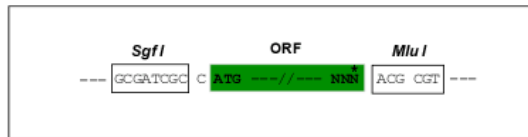
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_029334

**ORF Size:** 2205 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\\_029334.2](#), [NP\\_083610.2](#)

**RefSeq Size:** 3556 bp

**RefSeq ORF:** 2208 bp

**Locus ID:** 75553

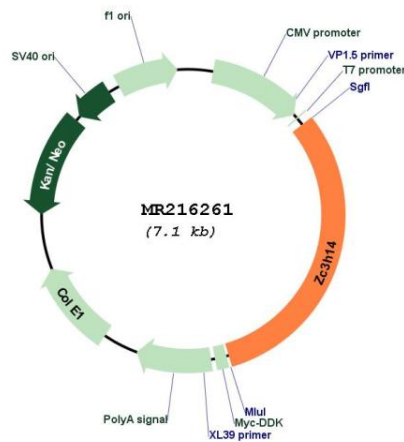
**UniProt ID:** [Q8BJ05](#)

**Cytogenetics:** 12 E

**MW:** 82.9 kDa

**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 MR216261