

## Product datasheet for **RC229008**

### ZC3H14 (NM\_001160103) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H14 (NM_001160103) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZC3H14
Synonyms:	MRT56; MSUT-2; NY-REN-37; SUT2; UKp68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC229008 representing NM\_001160103  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGAGATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG  
CTTATGTTGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAAT  
GACAGAGGATCTGTCCTGTTTCTAGGGAAACAACAATTCGATTCACCGTATGGCTTCATGGTGTATTA  
GATAAACTTCGCTCTGTTACAACCTGAACCTCTAGTCTGAAGTCTTCTGATACCAACATCTTTGATAGTA  
ACGTGCCCTTCAAACAAGAGCAATTTTCAGTCGGGGAGATGAGAGGAGGCATGAAGCTGCAGTGCCACCACT  
TGCCATTCCTAGCGCGAGACCTGAAAAAGAGATTCCAGAGTTTCTACAAGTTCGCAGGAGTCAAAAACC  
ACAAATGTCAGACAGACTTACGATGATGGAGCTGCAACCCGACTAATGTCAACAGTGAAACCTTTGAGGG  
AGCCAGCACCCCTCTGAAGATGTGATTGATTAAGCCAGAACCAGATGATCTCATTGACGAAGACCTCAA  
CTTTGTGCAGGAGAATCCCTTATCTCAGAAAAACCTACAGTGACACTTACATATGGTTCTCTCGCCCT  
TCTATTGAAATTTATCGACCACCTGCAAGTAGAAATGCAGATAGTGGTGTTCATTTAAACAGGTTGCAAT  
TTCAACAGCAGCAGAATAGTATTCATGCTGCCAAGCAGCTTGATATGCAGAGTAGTTGGGTATATGAAAC  
AGGACGTTTGTGTGAACCAGAGGTGCTTAACAGCTTAGAAGAAACGTATAGTCCGTTCTTTGAAACAAC  
TCGGAGAAAAATGAGTATGGAGGATGAAAACCTTCGGAAGAGAAAGTTGCCTGTGGTAAGTTCAAGTTGTTA  
AAGTAAAAAATCAATCATGATGGAGAAGAGGAGGAAGAAGATGATGATTACGGGTCTCGAACAGGAAG  
CATCTCCAGCAGTGTGTCTGTGCCTGCAAAGCCTGAAAGGAGACCTTCTCTTCCACCTTCAAACAAGCT  
ACAAGAATCTGATTTTGAAGGCTATATCTGAAGCTCAAGAATCCGTAACAAAAACAACCTAACTACTCTA  
CAGTTCCACAGAAACAGACACTTCCAGTTGCTCCAGAACTCGAACTTCTCAAGAAGAATTGCTAGCAGA  
AGTGGTCCAGGGACAAAGTAGGACCCCAAGTAAGTCCCCCATTAAGAAGAGGAAACAAAAGGAGAT  
TCTGTAGAAAAAATCAAGGAACTCAACAGAGGCAATTATTATCCCGACTGCAAAATCGACCCAGTAAATGG  
CAGAACTCTGCAGATGAGTCAAGATTACTATGACATGGAATCCATGGTCCATGCAGACACAAGATCATT  
TATTCTGAAGAAGCCAAAGCTGTCTGAGGAAGTAGTAGTGGCACCAAAACCAAGAGTCGGGGATGAAGACT  
GCAGATTCCTTCGGGTACTTTCAGGACACCTTATGCAGACACGAGATCTTGTACAACAGATAAACCTG  
CAAGTCCCAAGTTTATAGTGACGCTGGATGGTGTCCCAAGCCCCCAGGATACATGTCAGATCAAGAGGA  
GGACATGTGCTTTGAAGGAATGAAACCCGTAACCAAACTGCAGCCTCAAACAAGGGACTCAGAGGTCTC  
CTCCACCACAGCAGTTGCACTTGTGAGCAGGCAGCTTGAGGACCCAAATGGTAGCTTTTCTAACGCTG  
AGATGAGTGAAGTGAAGTGTGGCAGACAGAAACCAGAAAACTTTTGGAGCGCTGCAAGTACTGGCCTGCTTG  
TAAAAATGGGGATGAGTGTGCCTACCATCACCCATCTCACCCCTGCAAAGCCTTCCCAATTGTAATTT  
GCTGAAAAATGTTTGTGTTTACCCAAATTTGTAATATGATGCAAAGTGTACTAAACCAGATTGTCCTT  
TCACTCATGTGAGTAGAAGAATTCAGTACTGTCTCCAAAACAGTTGCACCACCAGCACCACTTCCAG  
TAGTCAGCTCTGCCGTTACTTCCCTGCTTGAAGAAGATGGAATGTCCCTTCTATCATCCAAAACATTGT  
AGGTTTAACTCAATGTACAAGACCGGACTGCACATTCTACCATCCACCATTAATGTCCACCACAGAC  
ATGCCTTGAATGGATTGACCTCAAACCAGCGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC229008 representing NM\_001160103  
 Red=Cloning site Green=Tags(s)

```
MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL
DKLRSVTTEPSSLKSSDTNIFDSNVPSNKSNSFRGDERRHEAAVPLAIP SARPEKRDSRVSTSSQESKT
TNVRQTYDDGAATRLMSTVKPLREPAPSEVDIDIKPEPDDLIDEDLNFVQENPLSQKPTVTLTYGSSRP
SIEIYRPPASRNADSGVHLNRLQFQQQNSIHAAKQLDMQSSWVYETGRLCEPEVLNSLEETYSPPFFRNN
SEKMSMEDENFRKRKLPVVSSVVKVKKFNHDGEEEEEDDDYGSRTGSISSVSVPAPKERRPSLPPSKQA
NKNLILKAISEAQESVTKTTNYSTVPQKQTLPVAPRTRTSQEELLAEVVQGQSRTPRISPPIKEEETKGD
SVEKNQGTQQRQLL SRLQIDPVMAETLQMSQDYDMESMVHADTRSFILKKPKLSEEVVAVPNQESGMKT
ADSLRVL SGHLMQTRDLVQDPKASP KFIVTLDGVPSPPGYMSDQEEDMCFEGMKPVNQTAASNKGLRGL
LHPQQLHLLSRQLEDPNGSF SNAEMSEL SVAQKPEKLLERCKYWPACKNGDECA YHHPISPKAFPNCKF
AEKCLFVHPNCKYDAKCTKPD CPFTHVSRRI PVLSPKPVAPPAPPSSSQLCRYFPACKKMECPFYHPKHC
RFNTQCTRPDCTFYHPTINVPPRHALKWIRPQTSE
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001160103

**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\\_001160103.2](#)

**RefSeq Size:** 4205 bp

**RefSeq ORF:** 2208 bp

**Locus ID:** 79882

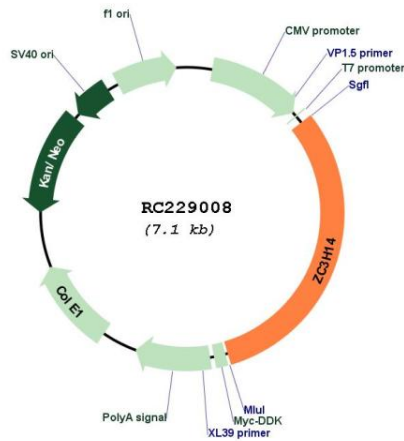
**UniProt ID:** [Q6PJT7](#)

**Cytogenetics:** 14q31.3

**MW:** 82.8 kDa

**Gene Summary:** The protein encoded by this gene is a poly(A)-binding protein that can affect gene expression and poly(A) tail length. The encoded protein may influence mRNA stability, nuclear export, and translation. [provided by RefSeq, May 2016]

**Product images:**



Circular map for RC229008