

Product datasheet for **RC203966**

ZC3H14 (NM_024824) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H14 (NM_024824) 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)



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ORF Nucleotide
Sequence:

>RC203966 representing NM_024824
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG
CTTATGTTGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAAT
GACAGAGGATCTGTCCCTGTTTCTAGGGAAACAACAATTCGATTCACCGTATGGCTTCATGGTGTATTA
GATAAACTTCGCTCTGTTACAACGAACCTCTAGTCTGAAGTCTTCTGATACCAACATCTTTGATAGTA
ACGTGCCCTTCAAACAAGAGCAATTTTCAGTCGGGGAGATGAGAGGAGGCATGAAGCTGCAGTGCCACCACT
TGCCATTCCTAGCGCGAGACCTGAAAAAGAGATTCCAGAGTTTCTACAAGTTCGCAGGAGTCAAAAACC
ACAAATGTCAGACAGACTTACGATGATGGAGCTGCAACCCGACTAATGTCAACAGTGAAACCTTTGAGGG
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CTTTGTGCAGGAGAATCCCTTATCTCAGAAAAACCTACAGTGACACTTACATATGGTTCTCTCGCCCT
TCTATTGAAATTTATCGACCACCTGCAAGTAGAAATGCAGATAGTGGTGTTCATTTAAACAGGTTGCAAT
TTCAACAGCAGCAGAATAGTATTCATGCTGCCAAGCAGCTTGATATGCAGAGTAGTTGGGTATATGAAAC
AGGACGTTTGTGTGAACCAGAGGTGCTTAACAGCTTAGAAGAAACGTATAGTCCGTTCTTTGAAACAAC
TCGGAGAAAAATGAGTATGGAGGATGAAAACCTTCGGAAGAGAAAGTTGCCTGTGGTAAGTTCAAGTTGTTA
AAGTAAAAAATCAATCATGATGGAGAAGAGGAGGAAGAAGATGATGATTACGGGTCTCGAACAGGAAG
CATCTCCAGCAGTGTGTCTGTGCCTGCAAAGCCTGAAAGGAGACCTTCTCTTCCACCTTCAAACAAGCT
ACAAGAATCTGATTTTGAAGCTATATCTGAAGCTCAAGAATCCGTAACAAAAACAATACTACTCTA
CAGTTCCACAGAAACAGACACTTCCAGTTGCTCCAGAACTCGAACTTCTCAAGAAGAATTGCTAGCAGA
AGTGGTCCAGGGACAAAGTAGGACCCCAAGTAAAGTCCCCCATTAAGAAGAGGAAACAAAAGGAGAT
TCTGTAGAAAAAATCAAGGAACTCAACAGAGGCAATTATTATCCCGACTGCAAAATCGACCCAGTAAATGG
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GCAGATTCCTTCGGGTACTTTCAGGACACCTTATGCAGACACGAGATCTTGTACAACAGATAAACCTG
CAAGTCCCAAGTTTATAGTGACGCTGGATGGTGTCCCCAGCCCCCAGGATACATGTCAGATCAAGAGGA
GGACATGTGCTTTGAAGGAATGAAACCCGTAACCAAACTGCAGCCTCAAACAAGGGACTCAGAGGTCTC
CTCCACCACAGCAGTTGCACTTGTGAGCAGGACGCTTGGAGACCCAAATGGTAGCTTTTCTAACGCTG
AGATGAGTGAAGTGAAGTGTGGCAGACAGAAACCAGAAAACTTTTGGAGCGCTGCAAGTACTGGCCTGCTTG
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GCTGAAAAATGTTTGTGTTTCCACCAAATGTAATATGATGCAAAGTGTACTAAACCAGATTGTCCCT
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GACATGCCTTGAATGGATTTCGACCTCAAACCAGCGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203966 representing NM_024824
Red=Cloning site Green=Tags(s)

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MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL
DKLRSVTTEPSSLKSSDTNIFDSNVPSNKSNSFRGDERRHEAAVPLAIP SARPEKRDSRVSTSSQESKT
TNVRQTYDDGAATRLMSTVKPLREPAPSEVDIDIKPEPDDLIDEDLNFVQENPLSQKKPTVLTLYGSSRP
SIEIYRPPASRNADSGVHLNRLQFQQQNSIHAAKQLDMQSSWVYETGRLCEPEVLNSLEETYSPPFRNN
SEKMSMEDENFRKRKLPVSSVVKVKKFNHDGEEEEEDDDYGSRTGSISSVSVPAPKERRPSLPPSKQA
NKNLILKAISEAQESVTKTTNYSTVPQKQTLPVAPRTRTSQEELLAEVVQGQSRTPRISPPIKEEETKGD
SVEKNQGTQQRQLL SRLQIDPVMAETLQMSQDYDMESMVHADTRSFILKKPKLSEEVVAVPNQESGMKT
ADSLRVL SGHLMQTRDLVQDPKASPKEIVTLDGVPSPPGYMSDQEDMCFEGMKPVNQTAASNKGLRGL
LHPQQLHLLSRQLEDPNGSF SNAEMSEL SVAQKPEKLLERCKYWPACKNGDE CAYHHPISPKAFPNCKF
AEKCLFVHPNCKYDAKCTKPDPCFTHVSRRI PVLSPKPAVAPPAPPSSSQLCRYFPACKKMECPFYHPKH
CRFNTQCTRPDCTFYHPTINVPPRHALKWIRPQTSE
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024824

ORF Size: 2208 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024824.5](#)

RefSeq Size: 4208 bp

RefSeq ORF: 2211 bp

Locus ID: 79882

UniProt ID: [Q6PJT7](#)

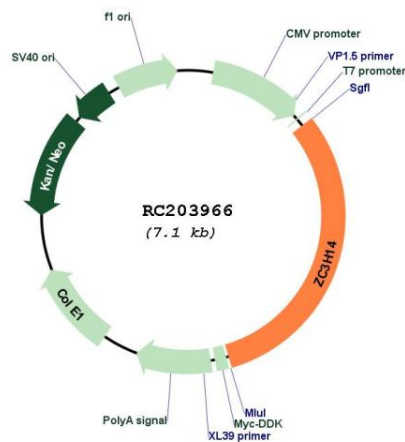
Cytogenetics: 14q31.3

Domains: zf-CCCH

MW: 82.9 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 RC203966