

Product datasheet for **RG214203**

ZC3H14 (NM_207660) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H14 (NM_207660) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZC3H14
Synonyms:	MRT56; MSUT-2; NY-REN-37; SUT2; UKp68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214203 representing NM_207660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG
 CTTATGTTGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAA
 GACAGAGGATCTGTCCCTGTTTCTAGGGAAACAACAATTTCGATTCACCGTATGGCTTCATGGTGATTA
 GATAAACTTCGCTCTGTTACAACGAACCTCTAGTCTGAAGTCTTCTGATACCAACATCTTTGATAGTA
 ACGTGCCTTCAAACAAGAGCAATTTTCAGTCGGGGAGATGAGAGGAGGCATGAAGCTGCAGTGCCACCACT
 TGCCATTCCTAGCGGAGACCTGAAAAAGAGATTCCAGAGTTTCTACAAGTTCGCAGGAGTCAAAAACC
 ACAATGTCAGACAGACTTACGATGATGGAGCTGCAACCCGACTAATGTCAACAGTGAAACCTTTGAGGG
 AGCCAGCACCTCTGAAGATGTGATTGATTAAGCCAGAACCAGATGATCTCATTGACGAAGACCTCAA
 CTTTGTGCAGGAGAATCCCTTATCTCAGAAAAACCTACAGTGACACTTACATATGGTTCTCTCGCCCT
 TCTATTGAAATTTATCGACCACCTGCAAGTAGAAATGCAGATAGTGGTGTTCATTTAAACAGGTTGCAAT
 TTCAACAGCAGCAGAATAGTATTCATGCTGCCAAGCAGCTTGATATGCAGAGTAGTTGGGTATATGAAAC
 AGGACGTTTGTGTGAACCAGAGGTGCTTAACAGCTTAGAAGAAACGTATAGTCCGTTCTTTGAAACAAC
 TCGGAGAAAAATGAGTATGGAGGATGAAAACCTTCGGAAGAGAAAGTTGCCTGTGGTAAGTTCAGTTGTTA
 AAGTAAAAAATCAATCATGATGGAGAAGAGGAGGAAGAAGATGATGATTACGGGTCTCGAACAGGAAG
 CATCTCCAGCAGTGTGTCTGTGCCTGCAAAGCCTGAAAGGAGACCTTCTCTTCCACCTTCTAAACAAGCT
 AACAGAATCTGATTTTGAAGGCTATATCTGAAGCTCAAGAATCCGTAACAAAAACAATAACTACTCTA
 CAGTTCACAGAAAACAGACACTTCCAGTTGCTCCAGAACTCGAAGTCTCAAGAAGAAATGCTAGCAGA
 AGTGGTCCAGGGACAAAGTAGGACCCCAAGTAAAGTCCCCCATTAAGAAGAGGAAACAAAAGGAGAT
 TCTGTAGAAAAAATCAAGCTGAGATGAGTGAAGTGAAGTGGCAGACAAAACAGAAAAACTTTTGGAGC
 GCTGCAAGTACTGGCCTGCTTGTAAAAATGGGGATGAGTGTGCCTACCATCACCCCATCTCACCTGCAA
 AGCCTTCCCAATTGTAATTTGCTGAAAAATGTTTGTGTTCCACCAATTGTAATATGATGCAAAAG
 TGTACTAAACCAGATTGTCCTTCACTCATGTGAGTAGAAGAATCCAGTACTGTCTCCAAAACCAGTTG
 CACCACCAGCACCTTCCAGTAGTCAGCTCTGCCGTTACTTCCCTGCTTGAAGAAGATGGAATGTCC
 CTTCTATCATCCAAAACATTGTAGTTTAACTCAATGTACAAGACCGGACTGCACATTCTACCATCCC
 ACCATTAATGTCCACCACGACATGCCTTGAAATGGATTGACCTCAAACCAGCGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214203 representing NM_207660
 Red=Cloning site Green=Tags(s)

MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL
 DKLRSVTTEPSSLKSSDNIIFDSNVPSNKSNSFRGDERRHEAAVPPLAIP SARPEKRDSRVSTSSQESKT
 TNVRQTYDDGAATRLMSTVKPLREPAPSEDVIDIKPEPDDLIDEDLNFVQENPLSQKPTVTLTYGSSRP
 SIEIYRPPASRNADSGVHLNRLQFQQQNSIHAAKQLDMQSSWVYETGRLCEPEVLNLSLEETYSPPFRNN
 SEKMSMEDENFRKRKLPVVSSVVKVKKFNHDGEEEEEDDDYGSRTGSISSSVSPAKPERRPSLPPSKQA
 NKNLILKAISEAQESVTKTTNYSTVPQKQTLVPAPRTRTSQEELLAEVVQGQSRTPRISPIKEEETKGD
 SVEKNQAEMSELVAQKPEKLLERCKYWPCKNGDECAHYHHPISPCAFPNCKFAEKCLFVHPNCKYDAK
 CTKPDCPFTHVSRRIPLVSPKPVAPPAPPSSQLCRYFPACKMECPFYHPKHCRFNTQCTRPDCTFYHP
 TINVPPRHALKWIRPQTSE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_207660

ORF Size: 1737 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_207660.4](#)

RefSeq Size: 3676 bp

RefSeq ORF: 1740 bp

Locus ID: 79882

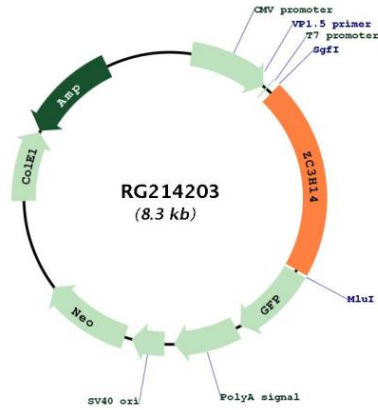
UniProt ID: [Q6PJT7](#)

Cytogenetics: 14q31.3

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 RG214203