

Product datasheet for **RG222997**

ZC3H14 (NM_207661) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZC3H14 (NM_207661) 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:

>RG222997 representing NM_207661
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAATGACAGAGGATCTGTCCCTGTTTCTAGGGAACA
 ACACAATTCGATTCACCGTATGGCTTCATGGTGTATTAGATAAACTTCGCTCTGTTACAACCTGAACCCCTC
 TAGTCTGAAGTCTTCTGATACCAACATCTTTGATAGTAACGTGCCTTCAAACAAGAGCAATTTTCAGTCGG
 GGAGATGAGAGGAGGCATGAAGCTGCAGTGCCACCACTTGCCATTCTAGCGCGAGACCTGAAAAAGAG
 ATTCCAGAGTTTCTACAAGTTCGCAGGAGTCAAAAACCACAAATGTCAGACAGACTTACGATGATGGAGC
 TGCAACCCGACTAATGTCAACAGTGAACCTTTGAGGGAGCCAGCACCTCTGAAGATGTGATTGATATT
 AAGCCAGAACCAGATGATCTCATTGACGAAGACCTCACTTTGTGCAGGAGAATCCCTTATCTCAGAAAA
 AACCTACAGTGACACTTACATATGGTTCTTCTCGCCCTTCTATTGAAATTTATCGACCACCTGCAAGTAG
 AAATGCAGATAGTGGTGTTCATTTAAACAGGTTGCAATTTCAACAGCAGCAGAATAGTATTCATGCTGCC
 AAGCAGCTTGATATGCAGAGTAGTTGGGTATATGAAACAGGACGTTTGTGTGAACCAAGAGGTGCTTAACA
 GCTTAGAAGAAAACGTATAGTCCGTTCTTTAGAACAACCTCGGAGAAAATGAGTATGGAGGATGAAAACCT
 TCGGAAGAGAAAGTTGCCTGTGGTAAGTTCAGTTGTTAAAGTAAAAAAATTCATCATGATGGAGAAGAG
 GAGGAAGAAGATGATGATTACGGGTCTCGAACAGGAAGCATCTCCAGCAGTGTGTCTGTGCCTGCAAAGC
 CTGAAAGGAGACCTTCTCTTCCACCTTCTAAACAAGCTAACAAGAATCTGATTTTGAAGGCTATATCTGA
 AGCTCAAGAATCCGTAAACAAAAACACTAACTACTCTACAGTTCACAGAAACAGACACTTCCAGTTGCT
 CCCAGAACTCGAACTTCTCAAGAAGAATTGCTAGCAGAAGTGGTCCAGGGACAAAGTAGGACCCCCAGAA
 TAAGTCCCCCATTAAGAAGAGAGGAAACAAAAGGAGATTCTGTAGAAAAAAATCAAGGAACTCAACAGAG
 GCAATTATTATCCCGACTGCAAAATCGACCCAGTAAATGGCAGAAAACCTCGCAGATGAGTCAAGCTGAGATG
 AGTGAACCTGAGTGTGGCAGAAAACAGAAAACTTTTGGAGCGCTGCAAGTACTGGCCTGCTTGTAAAA
 ATGGGGATGAGTGTGCCTACCATCACCCATCTCACCTGCAAAGCCTTCCCAATTGTAATTTGCTGA
 AAAATGTTTGTGTTTCCACCAATTGTAATATGATGCAAAGTGTACTAAACCAGATTGTCCTTCACT
 CATGTGAGTAGAAGAATCCAGTACTGTCTCAAAAACCAGCAGTGCACCACCAGCACCTTCCAGTA
 GTCAGCTCTGCCGTTACTTCCCTGCTTGAAGAAGATGGAATGTCCTTCTATCATCCAAAACATTGTAG
 GTTTAACACTCAATGTACAAGACCGGACTGCACATTCTACCATCCACCATTAAATGTCCACCACGACAT
 GCCTTGAAATGGATTGACCTCAAACCAGCGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222997 representing NM_207661
 Red=Cloning site Green=Tags(s)

MVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVLDKLRSVTTPESSLKSSDNTIFDSNVPSNKSNFSR
 GDERRHEAAVPLAIP SARPEKRD SRVSTSSQESKTTNVRQTYDDGAATRLMSTVKPLREPAPSEVIDI
 KPPEDDLIDEDLNFVQENPLSQKKPTVTLTYGSSRPSIEIYRPPASRNADSGVHLNRLQFQQQNSIHAA
 KQLDMQSSWVYETGRLCEPEVLNSLEETYSPPFRNNEKMSMEDENFRKRKLPVSVSVKVKFNHDGEE
 EEEDDDYGSRTGSISSSVPAKPERRPSLPSPKQANKNLILKAISEAQESVTKTNYSTVPQKQLPVA
 PRTRTSQEELLAEVVQGSRTPRI SPPIKEETKGD SVEKNQGTQQRQLLSRLQIDPVAETLQMSQAEM
 SELSVAQKPEKLLERCKYWPCKNGDECA YHHPISPC KAFPNCFAEKCLFVHPNCKYDAKCTKPDPCFT
 HVSRRIPVLSPKPAVAPPAPPSSQLCRYFPACKKMECPFYHPKHCRFNTQCTRPDCTFYHPTINVPPRH
 ALKWIRPQTSE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_207661

ORF Size: 1713 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_207661.2](#), [NP_997544.1](#)

RefSeq Size: 3663 bp

RefSeq ORF: 1716 bp

Locus ID: 79882

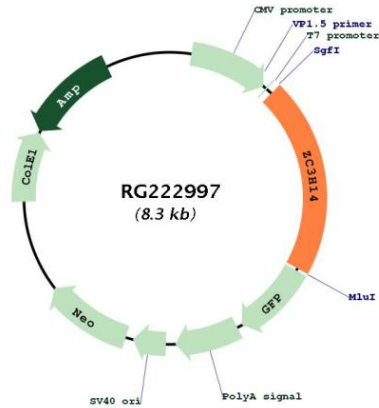
UniProt ID: [Q6PJT7](#)

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 RG222997