

Product datasheet for **RG229008**

ZC3H14 (NM_001160103) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H14 (NM_001160103) 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:

>RG229008 representing NM_001160103
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG
 CTTATGTTGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAAT
 GACAGAGGATCTGTCCCTGTTTCTAGGGAAACAACAATTCGATTCACCGTATGGCTTCATGGTGTATTA
 GATAAACTTCGCTCTGTTACAACGAACCTCTAGTCTGAAGTCTTCTGATACCAACATCTTTGATAGTA
 ACGTGCCTTCAAACAAGAGCAATTTTCAGTCGGGGAGATGAGAGGAGGCATGAAGCTGCAGTGCCACCACT
 TGCCATTCCTAGCGCGAGACCTGAAAAAGAGATTCCAGAGTTTCTACAAGTTCGCAGGAGTCAAAAACC
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 CTTTGTGCAGGAGAATCCCTTATCTCAGAAAAACCTACAGTGACACTTACATATGGTTCTCTCGCCCT
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 TTCAACAGCAGCAGAATAGTATTCATGCTGCCAAGCAGCTTGATATGCAGAGTAGTTGGGTATATGAAAC
 AGGACGTTTGTGTGAACCAGAGGTGCTTAACAGCTTAGAAGAAACGTATAGTCCGTTCTTTGAAACAAC
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 GGACATGTGCTTTGAAGGAATGAAACCCGTAACCAAACTGCAGCCTCAAACAAGGGACTCAGAGGTCTC
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 GCTGAAAAATGTTTGTGTTTACCCAAATTTGTAATATGATGCAAAGTGTACTAAACCAGATTGTCCTT
 TCACTCATGTGAGTAGAAGAATTCAGTACTGTCTCCAAAACCAGCAGTTGCACCACCAGCACCACTTC
 CAGTAGTCAGCTCTGCCGTTACTTCCCTGCTTGAAGAAGATGGAATGTCCCTTCTATCATCCAAAAAT
 TGTAGGTTAACACTCAATGTACAAGACCGGACTGCACATTCTACCATCCACCATTAAATGTCCACCAC
 GACATGCCTTGAATGGATTTCGACCTCAAACCAGCGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG229008 representing NM_001160103
 Red=Cloning site Green=Tags(s)

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MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL
DKLRSVTTEPSSLKSSDTNIFDSNVPSNKSNSFRGDERRHEAAVPLAIP SARPEKRDSRVSTSSQESKT
TNVRQTYDDGAATRLMSTVKPLREPAPSEVDIDIKPEPDDLIDEDLNFVQENPLSQKKPTVTLTYGSSRP
SIEIYRPPASRNADSGVHLNRLQFQQQNSIHAAKQLDMQSSWVYETGRLCEPEVLSLEETYSPPFRNN
SEKMSMEDENFRKRKLPVVSSVVKVKKFNHDGEEEEEDDDYGSRTGSISSVSVPAPKERRPSLPPSKQA
NKNLILKAISEAQESVTKTTNYSTVPQKQTLPVAPRTRTSQEELLAEVVQGQSRTPRI SPPIKEEETKGD
SVEKNQGTQQRQLL SRLQIDPVMAETLQMSQDYDMESMVHADTRSFILKKPKLSEEVVAVPNQESGMKT
ADSLRVL SGHLMQTRDLVQDPKASP KFIVTLDGVPSPPGYMSDQEEDMCFEGMKPVNQTAASNKGLRGL
LHPQQLHLLSRQLEDPNGSF SNAEMSEL SVAQKPEKLLERCKYWPACKNGDE CAYHHPISPKAFPNCKF
AEKCLFVHPNCKYDAKCTKPD CPFTHVSRRI PVLSPKPAVAPPAPPSSSQLCRYFPACKKMECPFYHPKH
CRFNTQCTRPDCTFYHPTINVPPRHALKWIRPQTSE
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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_001160103.1](#), [NP_001153575.1](#)

RefSeq Size: 4205 bp

RefSeq ORF: 2208 bp

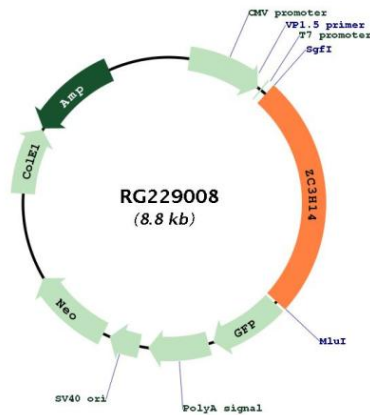
Locus ID: 79882

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 RG229008