

Product datasheet for **RR200172**

Zc3h14 (NM_001033951) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h14 (NM_001033951) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zc3h14
Synonyms:	Npuk68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR200172 representing NM_001033951
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG
CTTACGTGGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAAT
GACAGAGGACCTGTCCTGTTTCTAGGGAAACAACAATTCGATTCACCGTATGGCTCCATGGTGTATTA
GATAAACTTCGTTCTGTTACAACAGAGCCCTCTAGTCTAAAGTCTCCTGATACCAGCATCTTTGATAGTA
ACGTGCCCTTCAAACAAGAGCAGTTTTAGTCGGGGAGATGAGAGAAGGCATGAAGCTGCCATTCTCCCT
TGCCGTTTCTAGCTCTAGACCTGAGAAAAGGGATTCCAGAGTTTCTACAAGTTCACAGGAGCACAATCC
ACTAACGTCAGACATTCATATGATGATGGAGCTCCACCAGGCTAATGTCAACAGTGAAACCTTTGAGGG
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TTTTGTGCAGGAGAATTCCTTATCTCAGAAAAACCTACAGTGACACTTACATACGGTTCTCTCGCCCT
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TTCAGCAGCAGCAAAGCAGTACCATACTGCCAAGCAGCTGGATGGACAGAGCAGCCAGGTGTATGAAGC
AGGACGGTTGTGTGAACCAGAAGTACTTGGCAGCGTAGAAGATACTTATAGCCCTTTCTTCAGAAACAAC
TTGGATAAAATGAATATTGAGGAGGAAAACCTTCGGAAGAGAAAGTTGCCTGTGGTAAGTTCAGTTGTTA
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ACAAGAATCTAATTTGAAGGCTATCTCTGAAGCTCAAGAGTCTGTAACAAAAACAACCTAACTATCCTG
CAGTTCCACAGAAAACAGACACTTCCAGTTGCTCCTAGAACTCGAAGTCTCAAGAAGAAGTGTCTCGCAGA
AATGGTCCAGGGCAAAACAGGGCCCCAGAATAAGCCCCCAGTTAAAGAAGAGGAAGCAAAAGGAGAT
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GCAGATGCCCTTCGGGTCTTTCAGGACACCTTATGCAGACACGAGATCTTGTACAACCAGATAAACCTG
CAAGTCCCAAGTTTATAGTGACGCTGGATGGTGTCCCCAGCCCCCAGGATACATGTCAGATCAAGAGGA
GGAGATGTGCTTTGAAGGAATGAAACCCGTAACCAAACCTTCAGCCTCAAACAAGGGACTCAGAGGCCTC
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GCTGAGAAATGTTTGTGTTGTCATCAAATTTGTAATATGACGCAAAGTGTACTAAAGCAGATTGTCCCT
TCACTCACATGAGTAGAAGAGGTCCAGTACTGACTCCAAAACCAGCAGTGTGTCACCAGCGCCATCTTC
TAATGGCCAGTTCTGCCGTTACTTCCCTGCCTGTAAGAAAATGGAGTGTCCCTTCTACCACCCAAAACAC
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GACATGCCTTGAATGGATTTCGACCTCAAACCAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200172 representing NM_001033951
 Red=Cloning site Green=Tags(s)

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MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL
DKLRSVTTEPSSLKSPDTSIFDSNVPSNKSSF SRGDERRHEAAIPPLAVSSSRPEKRDSRVSTSSQEHKS
TNVRHSYDDGASTRLMSTVKPLREPAPSEVIDIKPEPDDLIDEDLNFVQENSLSQKKPTVLTLYGSSRP
SIEIYRPPASRNADTGTHLNRPQLQQQSSHTHTAKQLDGQSSQVYEAGRLCEPEVLGVEDTYSPPFRNN
LDKMNIIEEENFRKRKLPVSSVVKVRF SHDGEIEEEDYDTRVGSLSVSVPAKPERPSLPPSKQA
NKNLILKAISEAQESVTKTTNYPVAPVQKQTLPVAPRTRTSQEEVLAEMVQGQNRAPRISPPVKEEEAKGD
NAEKIEGTQQRQLL SRLQIDPVTVDTMELSQDYDMESMVHADTRSFILKKPKLSEIIVVTPNQDSGMKT
ADALRVL SGHLMQTRDLVQDPKASPKEIVTL DGVSPPGYMSDQEEEMCFEGMKPVNQT SASNGLRGL
LHPQQLHLLSRQLED PDGSF SNAEMTDL SVAQKPEKLLERCKYWPACKNGDEC VYHHPISPKAFPNCKF
AEKCLFVHPNCKYDAKCTKADCPF THMSRRGPV LTPKPAVSSPAPSSNGQFCRYFPACKKMECPFYHPKH
CRFNTQCTRPDCTFYHPTITVPPRHALKWIRPQTSE
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001033951

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.

RefSeq: [NM_001033951.1](#), [NP_001029123.1](#)

RefSeq Size: 3449 bp

RefSeq ORF: 2211 bp

Locus ID: 192359

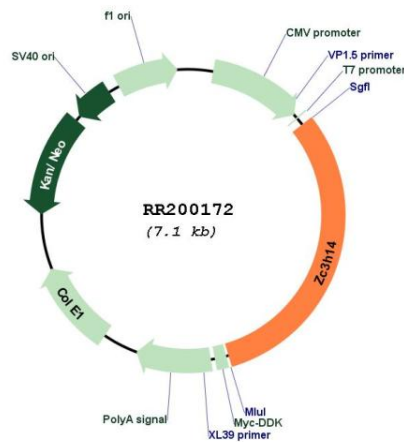
UniProt ID: [Q7TMD5](#)

Cytogenetics: 6q32

MW: 82.6 kDa

Gene Summary: recognized by an antibody against a liver cell chromatin fraction [RGD, Feb 2006]

Product images:



Circular map for RR200172