

## Product datasheet for **RR200173**

### Zc3h14 (NM\_138920) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h14 (NM_138920) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zc3h14
Synonyms:	Npuk68
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200173 representing NM\_138920  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG  
 CTTACGTGGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAAT  
 GACAGAGGACCTGTCCTGTTTCTAGGGAAACAACAATTCGATTCACCGTATGGCTCCATGGTGTATTA  
 GATAAACTTCGTTCTGTTACAACAGAGCCCTCTAGTCTAAAGTCTCCTGATACCAGCATCTTTGATAGTA  
 ACGTGCCTTCAAACAAGAGCAGTTTTAGTCGGGGAGATGAGAGAAGGCATGAAGCTGCCATTCTCCCT  
 TGCCGTTTCTAGCTCTAGACCTGAGAAAAGGGATTCCAGAGTTTCTACAAGTTCACAGGAGCACAAATCC  
 ACTAACGTCAGACATTCATATGATGATGGAGCTCCACCAGGCTAATGTCAACAGTGAAACCTTTGAGGG  
 AGCCAGCACCTCTGAAGATGTGATTGATATCAAGCCAGAACCAGATGATCTCATTGATGAAGACCTCAA  
 TTTTGTGCAGGAGAATTCCTTATCTCAGAAAAACCTACAGTGACACTTACATACGGTTCTCTCGCCCT  
 TCTATAGAAATTTATCGACCACCTGCAAGTAGAAATGCAGACACTGGTACTCATTAAACAGGCCGCAAC  
 TTCAGCAGCAGCAAAGCAGTACCATACTGCCAAGCAGCTGGATGGACAGAGCAGCCAGGTGTATGAAGC  
 AGGACGGTTGTGTGAACCAGAAGTACTTGGCAGCGTAGAAGATACTTATAGCCCTTTCTTCAGAAACAAC  
 TTGGATAAAATGAATATTGAGGAGGAAAACCTTCGGAAGAGAAAGTTGCCTGTGGTAAGTTCAGTTGTTA  
 AAGTAAAAAGATTTAGCCATGATGGAGAAGAGGAGGAAGAAGATGAGGATTATGGGACCCGGGTAGGAAG  
 CTTGTCCAGCAGTGTGTCAGTACCAGCAAAACCTGAGAGGAGACCTTCTCTTCCACCTTCTAAACAAGCT  
 AACAAGAATCTAATTTGAAGGCTATCTCTGAAGCTCAAGAGTCTGTAACAAAAACAACCTAACTACCTG  
 CAGTTCACAGAAAACAGACACTTCCAGTTGCTCCTAGAAGTCAAGTCTCAAGAAAGAAGTGTCCGAGA  
 AATGGTCCAGGGCAAAAACAGGGCCCCAGAATAAGCCCCCAGTTAAAGAAGAGGAAGCAAAAGGAGAT  
 AATGCAGAAAAAATTGAAGGAACTCAACAGAGGCAATTGTTATCCCGACTGCAAAATGATCCAGTAAACGG  
 TAGACACAATGGAGCTGAGTCAAGCCGAGATGACTGACCTGAGTGTGGCAGAAAACAGAAAAACTCCT  
 GGAGCGTGCAAGTACTGGCCTGCTTGTAAAAATGGGGATGAGTGTGTGTACCATCACCCATTTTACCT  
 TGCAAAGCCTTTCCAACTGTAATTTGCTGAGAAATGTTTGTGTGCATCCAAATGTAATATGACG  
 CAAAGTGTACTAAAGCAGATTGTCCTTCACTCACATGAGTAGAAGAGGTCCAGTACTGACTCCAAAACC  
 AGCAGTGTGTCACCAGCGCCATCTTCTAATGGCCAGTCTGCCGTTACTTCCCTGCCTGTAAGAAAATG  
 GAGTGTCCCTTACCACCCAAACACTGTAGGTTTAAATACCCAGTGTACAAGACCAGACTGTACGTTTT  
 ATCACCCCACTATTACTGTGCCCAAGACATGCCTTGAATGGATTTCGACCTCAAACAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200173 representing NM\_138920  
 Red=Cloning site Green=Tags(s)

MEIGTEISRKIRSAIKGLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL  
 DKLRSVTTEPSSLSKSPDTSIFDSNVPSNKSFSRGERRHEAAIPPLAVSSSRPEKRDSTRVSTSSQEHS  
 TNVRHSYDDGASTRLMSTVKPLREPAPSEDVIDIKPEPDDLIDEDLNFVQENSLSQKKPTVTLTYGSSRP  
 SIEIYRPPASRNADTGTHLNRPQLQQQSSSTHTAKQLDGQSSQVYEAGRLCEPEVLGSVEDTYSPPFRNN  
 LDKMNIIEENFRKRKLPVSSVVKVRFVSHDGEDEDEDEYGTRVGSLSVSVVPAKPERPSLPPSKQA  
 NKNLILKAISEAQESVTKTTNYPVAVPQKQTLVAVPRTRTSQEEVLAEMVQGNRAPRISPPVKEEAKGD  
 NAEKIEGTQQRQLL SRLQIDPVTVDTMEL SQAEMTDL SVAQKPEKLLERCKYWPCKNGDECYVHHPISP  
 CKAFPNCFAEKCLFVHPNCKYDAKCTKADCPF THMSRRGPVL TPKPAVSSPAPSSNGQFCRYFPACKKM  
 ECFYHPKHCRFNTQCTRPDCTFYHPTITVPPRHALKWIRPQTSE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

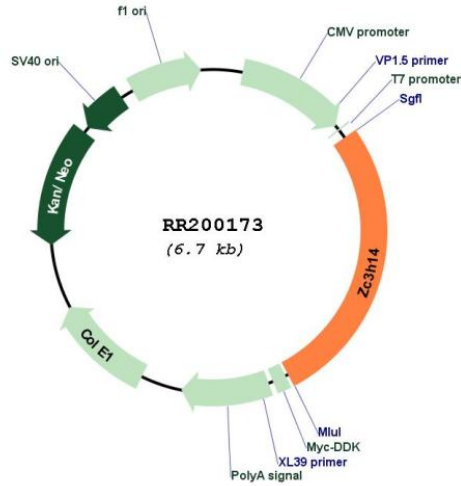
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_138920

ORF Size: 1815 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_138920.1</a> , <a href="#">NP_620275.1</a>
<b>RefSeq Size:</b>	2211 bp
<b>RefSeq ORF:</b>	1818 bp
<b>Locus ID:</b>	192359
<b>UniProt ID:</b>	<a href="#">Q7TMD5</a>
<b>Cytogenetics:</b>	6q32
<b>MW:</b>	68.1 kDa
<b>Gene Summary:</b>	recognized by an antibody against a liver cell chromatin fraction [RGD, Feb 2006]