

## Product datasheet for **RC234704**

### ZNF334 (NM\_001270497) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF334 (NM_001270497) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF334
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC234704 representing NM\_001270497  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAAATGAGAAGGAGATACCAGTTTCATTCCAGGACCTGACTGTGAACCTCACCCAAGAGGAATGGC  
 AGCAACTGGACCCTGCTCAGAGGCTCCTGTACAGGGATGTGATGCTGGAGAACTACAGCAACTTGGTCTC  
 TGTGGGGTATCATGTTAGCAAACAGATGTGATTTTCAAATTGGAGCAAGGAGAAGGCCATGGATAGTG  
 GAGGAATTCTCAAATCAGAACTACCCAGACATTGATGATGCCTTAGAGAAGAACAAGGAAATCCAAGATA  
 AACATTTGACACAACTGTATTCTTCAGCAACAAAACACTGATTACAGAAAGAGAGAATGTATTTGGGAA  
 AACACTTAATCTGGGCATGAATAGTGTTCCTCAAGAAAAATGCCCTATAAATGTAATCCAGGAGGAAAC  
 AGTTTGAAAACATAATTCAGAAGTAATTGTTGCAAAGAAAAGCAAAGAAAACAGAAAGATTCTGATGGAT  
 ACAGTGGATTTGGGAAGCATGAGAAAAGTCATTTGGGAATGAAAAATACAGATACAATCCAATGAGGAA  
 AGCCAGCAATCAAACGAAAATCTTATTCTGCACCAGAACATTCAGATTTTGAAACAACCGTTTGACTAT  
 AATAAATGTGGGAAAACCTTCTTCAAGAGGGCAATTCATTACACAAAAGGGGAGACAGACTGAAAGGA  
 AACCAAATGAATGTAATGAATGTAGGAAAACCTTTTCTAAGAGATCTACCTCATTGTACATCAGAGAAT  
 TCATACAGGGGAGAAACCGTATGTTGTAGTGATTGTAGGAAAACCTTTTCGTGTGAAGACAAGCCTCACT  
 CGACACCGAAGAAATTCATACTGGAGAGAGACCCTATGAATGCAGTGAATGCAGGAAAACCTTCATTGACA  
 AATCTGCCCTTATTGTACACCAGAAAATTCATGGAGGGGAGAAAATCCTATGAGTGAATGAATGTGGAAA  
 GACCTTTTTTCGGAAGTCAGCCCTGGCTGAACATTTTCAGTCCACACAGGGGAGAAAGCCTACGAATGC  
 AAGGAATGTGAAATGCCTTCAGCAAGAAAATCGTATCTTGTGTACATCAAAGAACTCACAGAGGAGAGA  
 AGCCAAAATGAATGTAAGGAATGTGGGAAAACCTTCTTCTGTCAGTCAGCCCTTACTGCGCATCAGAGAAT  
 TCACACAGGGGAAAACCTATGAATGTAGTGAATGTGAGAAAACCTTCTTTTGTCAATCTGCCCTCAAT  
 GTGCATCGAAGAAGTCATACAGGAGAGAAGCCCTATGAATGCAGTCAATGTGAAAATTTTTATGTACGA  
 AATCAGCCCTCATTGCACATCAGATAACTCATAGAGGAAAGAAGTCTTATGAATGTAATGAATGTGGGAA  
 ATTTTTCTGCCATAAGTCAACACTCACTATACATCAGAGAACACACAGGAGAGAAACATGGTGTGTTT  
 AATAAATGTGGTGAATCTCCATTGTGAAGTCAAAGTGCAGTCAAGTGAAGAGAATGAACACAAAGGAGA  
 ATCTTTATGAGTGTAGTGAACATGGGCATGCCGTGAGGAAAACCTCACACCTCATTGTACATCAGAGAAC  
 TATATGGGAGAGACCATATGAATGCAATGAATGTGGGAGAACCTACTGCAGGAAGTCAGCCCTGACTCAC  
 CATCAGAGAACACACACAGGACAGAGACCCTATGAGTGTAAATGAATGTGGGAAAACCTTCTGTCAGAAGT  
 TCTCCTTTGTTGAACATCAGCGAACTCACACTGGGGAGAAACCATATGAATGTAATGAATGTGGGAAATC  
 CTTCTGCCATAAGTCAGCCTTCAGAGTCCATAGAAGAATTCACACAGGAGAGAAACCATATGAATGTAAT  
 CAATGTGGGAAAACCTACCGTCGCCTGTGGACTCTCACTGAACATCAGAAAATACACACAGGAGAGAAAAC  
 CTTATGAATGTAACAAATGTGAGAAAACATTTGCCACAAATCAAACCTTTCTTTTACATCAGAAATCCCA  
 CAAGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234704 representing NM\_001270497  
Red=Cloning site Green=Tags(s)

MENEKEIPVVSFQDLTVNFTQEEWQQLDPAQRLLYRDVMLENYSNLVSVGYHVSKPDVIFKLEQGEEPWIV  
 EEFNQNYPDIDDALEKNKEIQDKHLTQTVFFSNKTLITERENVFGKTLNLGMNSVPSRKMPYKCNPGGN  
 SLKTNSEVIVAKKSKENRKIPDGYSFGFKHEKSHLGMKKYRYNPMRKASNQENLILHQNIQILKQPFDY  
 NKCGKTFFKRAILITQKGRQTERKPNECNECRKTF SKRSTLIVHQRIHTGEKPYVCSDCRKTFRVKTSLT  
 RHRRRIHTGERPYECSECRKTFIDKSALIVHQIHHGGEKSYECNECGKTFFRKSALAEHFRSHTGEKPYEC  
 KECGNAFSKKSYLVVHQRTHRGKPNCKEKECGKTFFCQSALTAHQRIHTGEKPYECSECEKTFFCQSALN  
 VHRHSHTGEKPYECQCGKFLCTKSALIAHQITHRGKKSIECNECGKFFCHKSTLTIHQRTHTGEKHGVF  
 NKCGRISIVKSNCSQCKRMNTKENLYECSEHGHAVSKNSHLIVHQRTIWERPYECNECGRTYCRKSALTH  
 HQRTHTGQRPYECNECGKTFQKFSFVEHQRTHTGEKPYECNECGKSFCHKSAFRVHRRRIHTGEKPYECN  
 QCGKTYRRLWTLTEHQIHTGEKPYECNKCEKTFRHSNLLHQKSHKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001270497

**ORF Size:** 2037 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\\_001270497.2](#)

**RefSeq Size:** 3957 bp

**RefSeq ORF:** 2040 bp

**Locus ID:** 55713

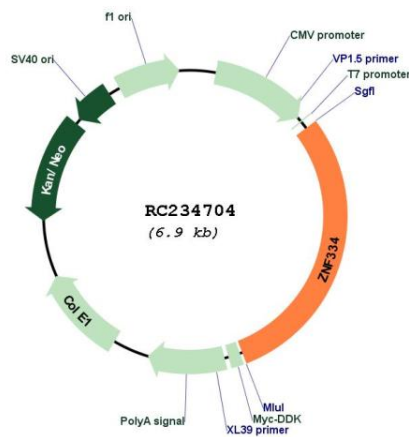
**Cytogenetics:** 20q13.12

**Protein Families:** Transcription Factors

**MW:** 79.9 kDa

**Gene Summary:** This gene encodes a member of the C2H2 zinc finger family. The encoded protein contains a Krueppel-associated box, fourteen C2H2 zinc finger domains, and four C2H2-type/integrase DNA-binding domains. Decreased expression of this gene may be a marker for rheumatoid arthritis. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]

### Product images:



Circular map for RC234704