

## Product datasheet for **RG234704**

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

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | ZNF334 (NM_001270497) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                     |
| Symbol:                   | ZNF334                                       |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-AC-GFP (PS100010)                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                       |



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**ORF Nucleotide  
Sequence:**

>RG234704 representing NM\_001270497  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAAATGAGAAGGAGATACCAGTTTCATTCCAGGACCTGACTGTGAACCTCACCAAGAGGAATGGC  
 AGCAACTGGACCCTGCTCAGAGGCTCCTGTACAGGGATGTGATGCTGGAGAACTACAGCAACTTGGTCTC  
 TGTGGGGTATCATGTTAGCAAACAGATGTGATTTTCAAATTGGAGCAAGGAGAAGGCCATGGATAGTG  
 GAGGAATTCTCAAATCAGAACTACCCAGACATTGATGATGCCTTAGAGAAGAACAAGGAAATCCAAGATA  
 AACATTTGACACAACTGTATTCTTCAGCAACAAACACTGATTACAGAAAGAGAGAATGTATTTGGGAA  
 AACACTTAATCTGGGCATGAATAGTGTTCCTCAAGAAAAATGCCCTATAAATGTAATCCAGGAGGAAAC  
 AGTTTGAAAACTAATTCAGAAGTAATTGTTGCAAGAAAAAGCAAGAAAAACAGAAAGATTCTGATGGAT  
 ACAGTGGATTTGGGAAGCATGAGAAAAGTCATTTGGGAATGAAAAATACAGATACAATCCAATGAGGAA  
 AGCCAGCAATCAAACGAAAATCTTATTCTGCACCAGAACATTCAGATTTTGAAACAACCGTTTGACTAT  
 AATAAATGTGGGAAAACCTTCTTCAAGAGGGCAATTCCTATTACACAAAAGGGGAGACAGACTGAAAGGA  
 AACCAAATGAATGTAATGAATGTAGGAAAACCTTTTCTAAGAGATCTACCTCATTGTACATCAGAGAAT  
 TCATACAGGGGAGAAACCGTATGTTGTAGTGATTGTAGGAAAACCTTTTCGTGTGAAGACAAGCCTCACT  
 CGACACCGAAGAATTCATACTGGAGAGAGACCCTATGAATGCAGTGAATGCAGGAAAACCTTCATTGACA  
 AATCTGCCCTTATTGTACACCAGAAAATTCATGGAGGGGAGAAAATCCTATGAGTGAATGAATGTGGAAA  
 GACCTTTTTTCGGAAGTCAGCCCTGGCTGAACATTTTCAGTCCACACAGGGGAGAAGCCTACGAATGC  
 AAGGAATGTGAAATGCCTTCAGCAAGAAAATCGTATCTTGTGTACATCAAAGAACTCACAGAGGAGAGA  
 AGCCAAAATGAATGTAAGGAATGTGGGAAAACCTTCTTCTGTGAGTCAAGCCCTTACTGCGCATCAGAGAAT  
 TCACACAGGGGAAAAACCTATGAATGTAGTGAATGTGAGAAAACCTTCTTTTGTCAATCTGCCCTCAAT  
 GTGCATCGAAGAAGTCATACAGGAGAGAAGCCCTATGAATGCAGTCAATGTGAAAAATTTTATGTACGA  
 AATCAGCCCTCATTGCACATCAGATAACTCATAGAGGAAAGAAGTCTTATGAATGTAATGAATGTGGGAA  
 ATTTTTCTGCCATAAGTCAACACTCACTATACATCAGAGAACACACAGGAGAGAAACATGGTGTGTTT  
 AATAAATGTGGTGAATCTCCATTGTGAAGTCAAAGTGCAGTCAAGTGAAGAGAATGAACACAAAGGAGA  
 ATCTTTATGAGTGTAGTGAACATGGGCATGCCGTGAGCAAAAACCTCACACCTCATTGTACATCAGAGAAC  
 TATATGGGAGAGACCATATGAATGCAATGAATGTGGGAGAACCTACTGCAGGAAGTCAGCCCTGACTCAC  
 CATCAGAGAACACACACAGGACAGAGACCCTATGAGTGAATGAATGTGGGAAAACCTTCTGTGAGAAGT  
 TCTCCTTTGTTGAACATCAGCGAACTCACACTGGGGAGAAACCATATGAATGTAATGAATGTGGGAAATC  
 CTTCTGCCATAAGTCAGCCTTCAGAGTCCATAGAAGAATTCACACAGGAGAGAAACCATATGAATGTAAT  
 CAATGTGGGAAAACCTACCGTCGCCTGTGGACTCTCACTGAACATCAGAAAATACACACAGGAGAGAAAAC  
 CTTATGAATGTAACAAATGTGAGAAAACATTTGCCACAAATCAAACCTTTCTTTTACATCAGAAATCCCA  
 CAAGGAA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG234704 representing NM\_001270497  
 Red=Cloning site Green=Tags(s)

MENEKEIPVVSFQDLTVNFTQEEWQQLDPAQRLLYRDVMLENYSNLVSVGYHVSKPDVIFKLEQGEEPWIV  
 EEFSNQNYPDIDDALEKNKEIQDKHLTQTVFFSNKTLITERENVFGKTLNLGMNSVPSRKMPYKCNPGGN  
 SLKTNSEVIVAKKSKENRKIPDGYSFGKHEKSHLGMKKYRYNPMRKASNQENLILHQNIQILKQPFDY  
 NKCGKTFKRAILITQKGRQTERKPNECNECRKTF SKRSTLIVHQRIHTGEKPYVCSDCRKTFRVKTSLT  
 RHRRHTGERPYECSECRKTFIDKSALIVHQKIHGGEKSYECNECGKTFFRKSALAEHFRSHTGEKPYEC  
 KECGNAFSKKSYLVVHQRTHRGEKPNCKECCGKTFQCQSALTAHQRIHTGEKPYECSECEKTFQCQSALN  
 VHRRSHTGEKPYECSCQCGKFLCTKSALIAHQITHRGKKSIECNECGKFFCHKSTLTIHQRTHTGEKHGVF  
 NKCGRISIVKSNCSQCKRMNTKENLYECSEHGHA VSKNSHLIVHQRTIWERPYECNECGRTYCRKSALTH  
 HQRTHTGQRPYECNECGKTFQCQKFSFVEHQRTHTGEKPYECNECGKSFCHKSAFRVHRRHTGEKPYECN  
 QCGKTYRRLWTLTEHQIHTGEKPYECNKCEKTFRHSNLLHQKSHKE

TRTRPLE - GFP Tag - V

**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

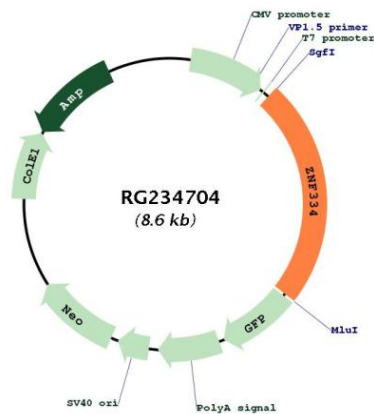
**Locus ID:** 55713

**Cytogenetics:** 20q13.12

**Protein Families:** Transcription Factors

**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 RG234704