

## Product datasheet for **RG205229**

### ZNF334 (NM\_199441) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF334 (NM_199441) 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:**

>RG205229 representing NM\_199441  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGGAGAACTACAGCAACTTGGTCTCTGTGGGTATCATGTTAGCAAACCAGATGTGATTTTCAAAT  
 TGGAGCAAGGAGAAGAGCCATGGATAGTGGAGGAATTCTCAAATCAGAACTACCCAGACATTGATGATGC  
 CTTAGAGAAGAACAAGGAAATCCAAGATAAACATTTGACACAACTGTATTCTTCAGCAACAAAACACTG  
 ATTACAGAAAGAGAGAATGTATTTGGGAAAACCTTAATCTGGGCATGAATAGTGTTCCTCAAGAAAAA  
 TGCCCTATAAATGTAATCCAGGAGGAAACAGTTTGAAAACCTAATTCAGAAGTAATGTTGCCAAAGAAAAG  
 CAAAGAAAACAGAAAGATTCTGATGGATACAGTGGATTTGGGAAGCATGAGAAAAGTCAATTTGGGAATG  
 AAAAAATACAGATACAATCCAATGAGGAAAGCCAGCAATCAAACGAAAAATCTTATTCTGCACCAGAAACA  
 TTCAGATTTTGAACAACCGTTGACTATAATAAATGTGGGAAAACCTTCTTCAAGAGGGCAATTCTCAT  
 TACACAAAAGGGGAGACAGACTGAAAGGAAACCAATGAATGTAATGAATGTAGGAAAACCTTTTCTAAG  
 AGATCTACCCCTATTGTACATCAGAGAATTCATACAGGGGAGAAAACCGTATGTTTGTAGTGATTGTAGGA  
 AAACCTTTTCGTGTGAAGACAAGCCTCACTCGACACCGAAGAATTCATACTGGAGAGAGACCCATGAATG  
 CAGTGAATGCAGGAAAACCTTATTGACAAATCTGCCCTTATTGTACACCAGAAAATTCATGGAGGGGAG  
 AAATCCTATGAGTGAATGAATGTGAAAGACCTTTTTTCGGAAGTCAGCCCTGGCTGAACATTTACGGT  
 CACACACAGGGGAGAAGCCTTACGAATGCAAGGAATGTGGAAATGCCTTCAGCAAGAAAATCGTATCTTGT  
 TGTACATCAAAGAACTCACAGAGGAGAGAAGCCAAATGAATGAAGGAATGTGGGAAAACCTTCTTCTGT  
 CAGTCAGCCCTTACTGCGCATCAGAGAATTCACACAGGGGAAAAACCTATGAATGTAGTGAATGTGAGA  
 AAACCTTCTTTTGTCAATCTGCCCTCAATGTGCATCGAAGAAGTCATACAGGAGAGAAGCCCTATGAATG  
 CAGTCAATGTGGAAAATTTTATGTACGAAATCAGCCCTCATTGCACATCAGATAACTCATAGAGGAAAG  
 AAGTCTTATGAATGAATGAATGTGGGAAATTTTCTGCCATAAGTCAACACTCACTATACATCAGAGAA  
 CACACACAGGAGAGAAACATGGTGTGTTAATAAATGTGGTAGAATCTCCATTGTGAAGTCAAACCTGCAG  
 TCAGTGTAAAGAGAATGAACACAAAGGAGAATCTTATGAGTGTAGTGAACATGGGCATGCCGTGAGCAAA  
 AACTCACACCTCATTGTACATCAGAGAATATATGGGAGAGACCATATGAATGCAATGAATGTGGGAGAA  
 CCTACTGCAGGAAGTCAGCCCTGACTCACCATCAGAGAACACACACAGGACAGAGACCCTATGAGTGTAA  
 TGAATGTGGGAAAACCTTCTGTCAGAAGTCTCCTTTGTTGAACATCAGCGAACTCACACTGGGGAGGAA  
 CCATATGAATGAATGAATGTGGGAAATCTTCTGCCATAAGTCAGCCTCAGAGTCCATAGAAGAATTC  
 ACACAGGAGAGAAAACATATGAATGTAATCAATGTGGGAAAACCTACCGTCGCCTGTGGACTCTCACTGA  
 ACATCAGAAAATACACACAGGAGAGAAAACCTTATGAATGTAACAAATGTGAGAAAACATTTTCGCAACAAA  
 TCAAACCTTTCTTTTACATCAGAAATCCACAAGGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG205229 representing NM\_199441  
 Red=Cloning site Green=Tags(s)

MLENYSNLVSVGYHVSKPDVIFKLEQGEEPWIVEEFSNQNPDIIDALEKNKEIQDKHLTQTVFFSNKTL  
 ITERENVFGLKTLNLGMNSVPSRKMYPKCNPGGNSLKTNSEVIVAKKSKENRKIPDGYSGFGKHEKSHLGM  
 KKYRYNPMRKASNQENLILHQNIQILKQPFDYKCGKTFKRAILITQKGRQTERKPNCECRKTFKSK  
 RSTLIVHQRIHTGEKPYVCSDCRKTFRVKTSLTRHRIHTGERPYECSECRKTFIDKSALIVHQKIHGGE  
 KSYECNECGKTFFRKSALAEHFRSHTGEKPYECKEAGNAFSSKSYLVVHQRTHRGEKPNCKEKGKTFKFC  
 QSALTAHQRIHTGEKPYECSECEKTFQCQSALNVHRSHTGEKPYECSCQCGKFLCTKSALIAHQIHRGK  
 KSYECNECGKFFCHKSTLTIHQRTHTGEKHGVFNKCGRISIVKSNSQCKRMNTKENLYECSEHGHAVSK  
 NSHLIVHQRTIWERPYECNECGRTYCRKSALTHHQRTHTGQRPYECNECGKTFKQKFSFVEHQRTHTGEE  
 PYECNECGKSFCHKSAFRVHRIHTGEKQYECNQCGKTYRRLWTLTEHQIHTGEKPYECNKCEKTFRNK  
 SNFLLHQKSHKE

**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_199441

ORF Size: 1926 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\\_199441.1](#), [NP\\_955473.1](#)

RefSeq Size: 3489 bp

RefSeq ORF: 1929 bp

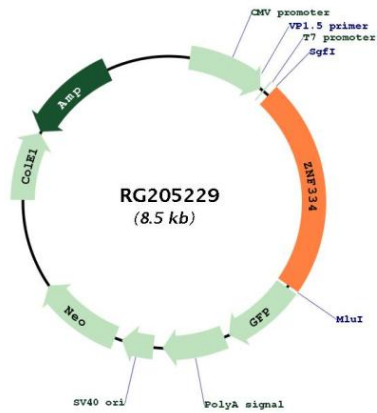
Locus ID: 55713

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 RG205229