

Product datasheet for **RG205230**

ZNF334 (NM_018102) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG205230 representing NM_018102
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAATGAAAAATTCAGATACCAAGTTTCATTCCAGGACCTGACTGTGAACCTCACCAAGAGGAAT
 GGCAGCAACTGGACCCTGCTCAGAGGCTCCTGTACAGGGATGTGATGCTGGAGAACTACAGCAACTTGGT
 CTCTGTGGGTATCATGTTAGCAAACAGATGTGATTTTCAAATTTGGAGCAAGGAGAAGAGCCATGGATA
 GTGGAGGAATTCTCAAATCAGAACTACCCAGACATTGATGATGCCTTAGAGAAGAACAAGGAAATCCAAG
 ATAAACATTTGACACAACTGTATTTCTCAGCAACAACTGATTACAGAAAGAGAGAATGTATTTGG
 GAAAAACATTTAATCTGGGCATGAATAGTGTCCCTCAAGAAAAATGCCCTATAAATGTAATCCAGGAGGA
 AACAGTTTGAAGTAATTGCAAGTAATTGTTGCAAGAAAAAGCAAGAAAAACAGAAAGATTCTCTGATG
 GATACAGTGGATTGGGAAGCATGAGAAAAGTCATTTGGGAATGAAAAATACAGATACAATCCAATGAG
 GAAAGCCGCAATCAAAACGAAATCTTATTCTGCACCAGAACATTCAGATTTTGAACAACCGTTTGAC
 TATAATAAATGTGGGAAAACCTTCTCAAGAGGGCAATTCTCATTACACAAAAGGGGAGACAGACTGAAA
 GGAAACCAATGAATGTAATGAATGTAGGAAAACCTTTTCTAAGAGATCTACCTCATTGTACATCAGAG
 AATTCATACAGGGGAGAAACCGTATGTTTGTAGTGATTGTAGGAAAACCTTTCTGTGGAAGACAAGCCTC
 ACTCGACACCGAAGATTCATACTGGAGAGAGACCCTATGAATGCAGTGAATGCAGGAAAACCTTCATTG
 ACAAACTCTGCCCTTATTGTACACCAGAAAATTCATGGAGGGGAGAAATCCTATGAGTGAATGAATGTGG
 AAAGACCTTTTTTCGGAAGTCAGCCCTGGCTGAACATTTCAGGTACACACAGGGGAGAAGCCTTACGAA
 TGCAAGGAATGTGGAATGCCTTCAGCAAGAAATCGTATCTTGTGTACATCAAAGAACTCACAGAGGAG
 AGAAGCCAAATGAATGAAGGAATGTGGGAAAACCTTCTTCTGTGAGTCAAGCCTTACTGCGCATCAGAG
 AATTCACACAGGGGAAAACCTTATGAATGTAGTGAATGTGAGAAAACCTTCTTTTGTCAATCTGCCCTC
 AATGTGCATCGAAGAAGTCATACAGGAGAGAAGCCCTATGAATGCAGTCAATGTGGAATTTTTATGTA
 CGAAATCAGCCCTCATTGCACATCAGATAACTCATAGAGGAAAGAGTCTTATGAATGTAATGAATGTGG
 GAAATTTTTCTGCCATAAGTCAACACTCACTATACATCAGAGAACACACAGGAGAGAAACATGGTGTG
 TTTAATAAATGTGGTAGAATCTCCATTGTGAAGTCAAACCTGCAGTCAGTGAAGAGAATGAACACAAAGG
 AGAATCTTTATGAGTGTAGTGAACATGGGCATGCCGTGAGCAAAAACTCACACCTCATTGTACATCAGAG
 AACTATATGGGAGAGACCATATGAATGCAATGAATGTGGGAGAACCTACTGCAGGAAGTCAGCCCTGACT
 CACCATCAGAGAACACACAGGACAGAGACCCTATGAGTGAATGAATGTGGGAAAACCTTCTGTGAGA
 AGTTCTCCTTTGTTGAACATCAGCGAACTCACACTGGGGAGAAACCATATGAATGTAATGAATGTGGGAA
 ATCCTTCTGCCATAAGTCAGCCTTCAGAGTCCATAGAAGAATTCACACAGGAGAGAAACCATATGAATGT
 AATCAATGTGGGAAAACCTACCGTCGCCTGTGGACTCTCACTGAACATCAGAAAATACACACAGGAGAGA
 AACCTTATGAATGAACAAATGTGAGAAAACATTCGCCACAAATCAAACCTTTCTTTTACATCAGAAATC
 CCACAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205230 representing NM_018102
 Red=Cloning site Green=Tags(s)

MKMKKFQIPVSFQDLTVNFTQEEWQQLDPAQRLLYRDVMLENYSNLVSVGYHVS KPDVIFKLEQGEEPWI
 VEEFSNQNPYDIDDALEKNKEIQDKHLTQTVFFSNKTLITERENVF GKTNLGMNSVPSRKMPYKCNPGG
 NSLKTNSEIVIAKSKENRKIPDGYSGFGKHEKSHLGMKKYRYNPMRKASNQENLILHQNIQILKQPF
 YNCKGKTFKRAILITQKGRQTERKPNECNECRKTF SKRSTLIVHQRHTGEKPYVCSDCRKTFRVKTSL
 TRHRRHTGERPYECSECRKTFIDKSALIVHQIHGGEKSYECNECGKTFFRKSALAEHFRSHTGEKPYE
 CKECGNAFSKKS YLVHQRTHRGEKPNECKEKGKTFFCQSALTAHQRIHTGEKPYECSECEKTFFCQSAL
 NVHRRSHTGEKPYEC SQCGKFLCTKSALIAHQITHRGKSYECNECGKFFCHKSTLTIHQRTHTGEKHG
 FNKCGRISIVKSNCSQCKRMNTKENLYECSEHGHAVSKNSHLIVHQRTHRGEKPYECNECGRTYCRKSALT
 HHQRHTHTGQRPYECNECGKTFCKQFSFVEHQRTHTGEKPYECNECGKSFCHKSAFRVHRRHTGEKPYEC
 NQCGKTYRRLWTLTEHQIHTGEKPYECNKCEKTFRHKSNFLLHQKSHKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018102

ORF Size: 2040 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:

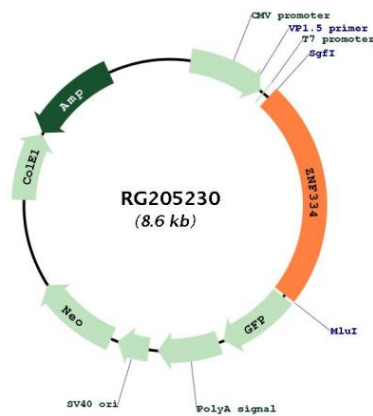
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018102.5](#)

RefSeq Size:	2467 bp
RefSeq ORF:	2043 bp
Locus ID:	55713
UniProt ID:	Q9HCZ1
Cytogenetics:	20q13.12
Domains:	KRAB, zf-C2H2
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 RG205230