

Product datasheet for **RG216457**

ZNF333 (NM_032433) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF333
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216457 representing NM_032433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAATCCGTCACCTTTGAGGATGTGCCGTGGAGTTCATCCAGGAGTGGCATTGCTGGACAGCGCAC
 GGAGGAGCCTGTGCAAAATACAGGATGCTTGACCAAGTGCAGGACCCCTGGCCTCCAGGGGAATCCACCATG
 CAAACCCAGTTGTGTCTCCAGCTGGGGCAAAGAGCAGAGCCAAAGGCAACAGAACGAGGGATTCTCCGT
 GCCACAGGTGTTGCCTGGGAATCTCAACTTAAACCCGAAGAGTTGCCTTCTATGCAGGATCTTTTGAAG
 AAGCATCTCCAGGACATGCAAAATGGGGCCGGGGTGTTCCTGAGGATGCAGCTGGTGCCTCCATAGA
 AGAGAGGGAGACACCATTTGACTCGAGAGGACCGCCAGCTCTCCAGGAGCCGCTTGGTCTCTGGGATGC
 ACGGGACTGAAGGCCGCTATGCAGATTAGAGGGTGGTGATACCAAGTGCCTACTCTGGGCCACCGCAACC
 CATGGTGGCCAGGGATTCTGTGTGCTGCACGTGACCTGCCTGGCTTCAGGAGGACAAAGTGGAGGA
 AGAAGCTATGGCTCCTGGGCTGCCAACCGCTGTTACAGGAACCAAGTACCTTTGCAGATGTGGCTGTG
 GTGTTACCCAGAGAAGATGGGTGTTTCTGGACTCTACTCAGAGGAGCCTGTATAGAGATGTGATGCTGG
 AGAACTACAGGAACCTGGCCTCTGTGGCTGATCAACTGTGCAAAACCAATGCGTTGTCTTATTTGAAGA
 AAGAGGAGAGCAGTGGACCACTGACAGGGGCGTCTCTCAGACACCTGTGCAGAACCTCAGTGTCAACCC
 CAAGAGGCAATTCCTAGCCAAGATACTTTTACAGAGATCCTGTCCATTGATGTGAAAGGGGAGCAACCTC
 AGCCTGGAGAAAACTCTATAAATATAATGAACCTTGAGAAACCTTTTAAACAGCATTGAACCACTTTTCCA
 GTACCAGAGAATTCATGCTGGAGAGCATCCTGTGAATGTCAAGAGATTAGAAATTCCTTCTCCAGAGT
 GCCCACCTAATTGTGCCGAGAAAAATCCGTAGTGGGGATAAATCCTATGCATGTAACAAATGTGAAAAAT
 CCTTCAGATACAGCTCTGACCTTATCAGGCATGAGAAGACTCATACTGCAGAGAAGTCTTTGACTGTCA
 AGAATGTGGCAAGCCTTCAAATATTCCTCGAATCTCCGGCGACACATGAGAACCCATACCGGAGAGAAG
 CCATTTGAATGTAGTCAGTGTGGGAAAACCTTCACGAGGAACCTTAACTGATTTTGCACCAGAGAAACC
 ACACAGGAGAGAAGCCCTACGAGTGTAAAGATTGTGGGAAAGCCTTCAATCAGCCATCATCCCTCAGGAG
 CCACGTGAGAACTCAGCTGGAGAGAAGCCCTTTGAATGCAGCCAGTGTGGGAAAGCCTTCAGGGAACAC
 TCTTCACTGAAGACACATCTGCGAACCCTATACCAGAGAGAAACCATATGAATGCAACCAAGTGTGGCAAGC
 CTTCCGGACGAGCACTCATCTGAACGTGCACAAGAGGATACACACAGGGGAGAACTGTATGAGTGCAGC
 GACTTGCAGTCAAGTCTTGAGTCTGCTTTCAACCTGAAGAGTACATGCGAACTCAGCTGGAGAGAAG
 CCCTATGTGTGCCAGGAATGTGGCGAGCCTTCAGTGAGCCCTCATCCCTCAGGAAACATGCAAGGACTC
 ACAGTGGCAAGAAGCCCTATGCATGCCAGGAATGCGGGCGAGCCTTTGGTCACTCTTACATCTTATTGT
 ACATGTGAGAACACACAGTCCCGGAGACCTATCAATGTAATCAGTGTGAGAAAGCCTTCAGGCACAGC
 TCCTCACTCACTGTACAAAAAGAACCCATGTGGGAAGAGAGACCATTAGGAATGGCAGCCTGCCTTTAT
 CCATGTCCTCATCCATACTGTGGGCCCTTGCTAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216457 representing NM_032433
 Red=Cloning site Green=Tags(s)

MESVTFEDVAVEFIQEWALLDSARRSLCKYRMLDQCRTLASRGTPPCKPSCVSQLGQRAEPKATERGILR
 ATGVAVESQLKPEELPSMQDLLEEASSRDMQMGPLFLRMQLVPSIEERETPLTREDRPALEPPWSLGC
 TGLKAAMQIQRVVIPVPTLGHNPVWARDSAVPARDPAWLQEDKVEEAMAPGLPTACSQEPVTFADVA
 VFTPEEWVFLDSTQSLYRDVMLENYRNLASVADQLCKPNALSYLEERGEQWTTDRGVLSDTCAEPQCQP
 QEAIPSQDTFTEILSIDVKGEQPPGEKLYKYNELEKPFNSIEPLFYQYQRIHAGEASCECQEIRNSFFQS
 AHLIVPEKIRSGDKSYACNCKEKSFRYSSDLIRHEKHTAEKCFDCQECQAFKYSSNLRRHMRHTGK
 PFECSCGKTFTRNFNLILHQRNHTGEKPYECKDCGAFNQPSSLRSHVRTHTGEKPFECSCGKAFREH
 SSLKTHLRHTREKPYECNQCGKPFRTSTHLNVHKRIHTGEKLYECATCGQVL SRLSTLKSHMRHTGK
 PYVCQECGRAFSEPSLRKHARTHSGKKPYACQECGRAFGQSSHLIVHVRTHSAGRPHYCQCNQCEKAFRHS
 SSLTVHKRTHVGRETIIRNGSLPLSMSPYCGPLAN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032433

ORF Size: 1995 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.

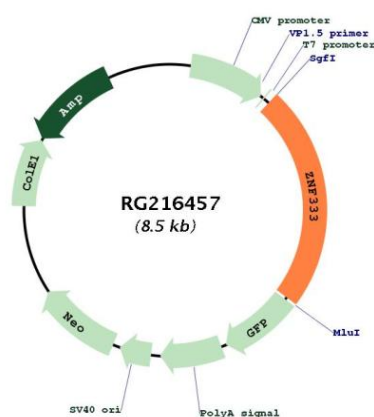
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032433.4](#)

RefSeq Size: 3767 bp

RefSeq ORF:	1998 bp
Locus ID:	84449
UniProt ID:	Q96JL9
Cytogenetics:	19p13.12
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216457