

## Product datasheet for **RG205716**

### ZNF337 (NM\_015655) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF337 (NM_015655) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF337
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG205716 ORF sequence, **codon optimized**.  
**Due to the complexity of NM\_015655, the ORF clone is codon optimized for mammalian Expression.**  
**The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.**

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGTCCCCAGGGAGCCCGGAGGCAGGCCTTCCTTGCATTCCGGTGATGTGACTGTAGACTTTACACAAA  
 AAGAGTGGAGATTGCTGAGCCCAGCTCAGCGCGCTCTACCGGAGGTGACCCTGGAGAATTATAGTCA  
 CCTGGTCAGCCTCGGCATCCTCCACTCCAAGCCGAGCTCATCAGACGCCTGGAACAGGGCGAGGTCCCA  
 TGGGGGAGGAACGGCGACGAAGCCAGGTCCCTGTGCAGGGATATACGCTGAACACGTGCTCCGCCCTA  
 AAAACCTGGGATTGGCTCATCAGCGGCAACAGCAGCTCCAGTTCTCAGACCAGTCTTTTCAGTCTGACAC  
 AGCTGAGGGCCAAGAAAAGAAAAGAGTACTAAACCCATGGCGTTCTCATCTCCCCACTTCGACACGCC  
 GTGTATCCAGAAGACGAAACTCAGTAGTTGAGATAGAGTCCAGTCAGGGTCAGCGCGAGAATCCAACTG  
 AGATCGACAAAGTGTCAAGGGGATCGAAAATAGCCGGTGGGGCGCTTTCAAGTGTGCTGAGAGGGGGCA  
 GGACTTCTCTCGCAAGATGATGGTTATCATCCACAAAAGGCCATAGCCGGCAGAAGTTGTTCACTGCG  
 CGGAATGCCATCAGGGTTTTCGAGACGAATCCGCTCTGCTTCTCATCAGAATACCCATACGGGCGAAA  
 AATCCTACGTCTGCTCAGTGTGTGGGAGGGGATCAGTCTGAAGGCGAACCTCCTGAGGCATCAGAGGAC  
 TCACCTCGGTGAAAAGCCCTTCTGTGCAAGGTTTGGGACGGGGCTACAGTCCAAAAGCTACCTGACC  
 GTCCATGAAAGGACCCACACCCGGGAAAAGCCATATGAATGCCAAGAGTGCGGCCCGATTCAATGACA  
 AGAGTAGCTATAACAAGCACCTGAAGGCACATTCCGGCGAGAAACCTTTTGTGCAAGGAATGCGGGAG  
 AGGATATAACAAAGTCTACTTTGTGGTACACAAGAGAATTCCTCCGGAGAGAAACCATACCGCTGC  
 CAAGAGTGCAGGAGGGGTTTAGTAATAAGAGTCACTTATCACTCATCAACGAACACACAGTGGAGAAA  
 AGCCCTTCGCATGCAGGCAGTCAAACAGAGTTTCAGCGTGAAGGGCAGCTTGCTGCGACATCAAAGAAC  
 ACACAGCGGGGAGAAACCTTTGTATGCAAAGATTGTGAACGGAGCTTCTACAAAAGAGCACACTGGTT  
 TATCACCAGCGCACACATAGCGGAGAAAAGCCTTTCGCTGTGCGGAGTGCGGCAGGGCTTTATTCAGA  
 AGTCCACCCTGGTGAAGCACCAGATCACTCACAGCGAGGAAAAGCCTTTCGTTTGAAGATTGCGGAAG  
 AGGCTTATCCAGAAATCCACCTTTACCTTACCAACGAACACATTCAGAAGAGAAGCCTTATGGGTGT  
 CGCGAGTGCGGGAGGCGCTTTCGGGACAAGTCACTTATAACAAACATTTGAGAGCCACCTGGGCGAAA  
 AACGGTCTTCTGTGCGGACTGCGGGCGCGCTTACCTTGAAACCCAATCTGACCATTATCAGCGGAC  
 CCACTCCGGCGAAAAGCCCTTATGTGTAACAATGTGAAAAGTCTTACGCCTCAAGGCTAACCTGCTC  
 CGACATCAGTGGACCCATAGCGGTGAAAGACCCTTAAATTGCAAAGATTGTGGTGCAGGATTTATCCTGA  
 AGTCCACACTGTGTTTACCAGAAGACGCACTCAGGCGAGAAACCTTTCATTTGTAGCGAATGTGGCCA  
 GGGTTTTATTTGAAAATTAACCTGGTAAAACACCAGCTGGCACACTCTGGGAAGCAGCCATTCGTCTGC  
 AAGGAGTGCGGGAGGGGATTTAACTGAAAAGCAATCTTCTCACGCATCAGAGAACACACTCAGGAGAGA  
 AGCCCTTTGTGTGTAACGTATGTGGACAAGGCTTTTCATGGAAAAGGCTTTTGACCCGGCATATTGGCG  
 AATCCACTCCAAGGAGAAGCCTTTTGTGTCAGGAATGAAGCGGGGTTATACCAGCAAAAAGCAGCTTG  
 ACCGTGCATGAGCGGATCCATACGGGAGAAAGCCGTACGAATGCCAGGAGTGCGGGCGCAAGTTTAGCA  
 ATAAGTCACTACTCCAACATCTGAAAAGACACCTTAGGGAAAAAAGATTCTGCACCGGGAGTGTGCG  
 GGAGGCCAGCTCC

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - **GTTTAA**

**Protein Sequence:** >RG205716 representing NM\_015655  
Red=Cloning site Green=Tags(s)

MGPQGARRQAFLAFGDVTVDFTQKEWRLLSPAQRALYREVTLENYSHLVSLGILHSPKELIRRLEQGEVP  
WGEERRRRPGPCAGIYAEHVLRPKNLGLAHQRQQQLQFSDQSFQSDTAEGQEKEKSTKPMAFSSPPLRHA  
VSSRRRNSVVEIESSQGQRENPTIDKVLKGIENSRWGAFKCAERGQDFSRKMMVIIHKKAHSRQKLF  
RECHQGFREDESALLLHQNTHTGEKSYVCSVCGRGFSLKANLLRHQRTHSGEKPFLCKVCGRGYTSKSYLT  
VHERHTHTGEKPYECQECGRRFNDKSSYNKHLKAHSGEKPFCVCKECCGRGYTNKSYFVVKRIHSGEKP  
QECGRGFSNKSHLITHQRTHSGEKPFCRQCKQSFVKGSLLRHQRTHSGEKPFCVCKDCERSFSQKSTLV  
YHQRTHSGEKPFCRECGQGFQKSTLVKHQITHSEEKPFVCKDCGRGFIQKSTFTLHQRTHSEEKPYGC  
RECGRFRFDKSSYNKHLRAHLGEKRFRCRDCGRGFTLKPNTIHRTHSGEKPFCMCKQCEKSFSLKANLL  
RHQWTHSGERPFNCKDCGRGFIKSTLLFHQKTHSGEKPFCSECGQGFVWKNLQVHQLAHSGKQPFVC  
KECGRGFNWKGNLLTHQRTHSGEKPFCNVCGQGFVWKRSLTRHHWRIHSGEKPFCVCKECCGRGYTSKSDL  
TVHERIHTGERPYECQECGRKFSNKSYSKHLKRHLREKRFCTGSGVEASS

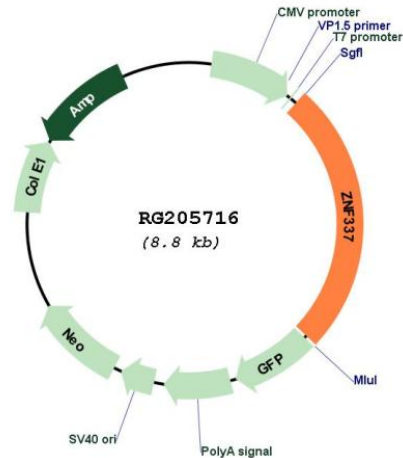
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_015655

**ORF Size:** 2253 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\\_015655.2](#), [NP\\_056470.1](#)

**RefSeq Size:** 4237 bp

**RefSeq ORF:** 2256 bp

**Locus ID:** 26152

**UniProt ID:** [Q9Y3M9](#)

**Cytogenetics:** 20p11.21

<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene encodes a zinc finger domain containing protein. The function of this protein has yet to be determined. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]