

## Product datasheet for **RG234251**

### ZNF345 (NM\_001242472) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF345 (NM_001242472) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF345
Synonyms:	HZF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG234251 representing NM\_001242472  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAAAACCTTACAAAACACAGCATTGAGTGTTCAAGTTTCAGAGGTGATTGGGAATGTAAAAACCACT  
 TTGAGAGAAAACAGGGATCTCAGGAAGGACATTTCAAGTAAATGATATTTACTCCTGAAGACATGCCAC  
 TTTCAGTATCCAGCATCAGAGAATTCATACTGATGAGAACTCCTTGAATGTAAGGAATGTGGGAAGGAT  
 TTTAGTTTTGTATCAGTCCTTGTTCGACATCAGCGAATTCATACTGGTGAGAAACCTTATGAATGCAAAG  
 AATGTGGCAAGGCCTTTGGTAGTGGTGCAAACCTTGCTTACCATCAAAGAATTCATACTGGTGAGAAGCC  
 TTTTGAATGTAAGAATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTACTCACCATCAGAGAATTCAT  
 ACTGGTGAGAAACCTATGAGTGAAGGAATGTGGGAAGGCCTTAGTTTTGGATCAGGCCTTATTCGAC  
 ATCAGATCATTACAGTGGTGAGAAGCCTTATGAGTGAAGGAATGTGGGAAGTCCTTAGTTTTGAATC  
 AGCCCTTATTCGGCATCAGAGAATTCACACAGGTGAGAAACCTTATGAATGTATAGATTGTGGTAAAGCC  
 TTTGGCAGTGGTCAAACCTTACTCAACATCGGCGGATTCATACTGGTGAGAAACCTTATGAATGCAAAG  
 CATGTGGAATGGCCTTAGCAGTGGTTCGGCTCTTACTCGGCATCAGAGAATTCATACCGGTGAGAAAC  
 ATATATATGTAATGAATGTGGTAAGGCCTTAGTTTTGGATCAGCCCTTACTCGACATCAAAGAATTCAT  
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 ATCAGAGAATTCACACTGGTGAGAAACCTATGAGTGAAGGAGTGTGAGAAAGCCTTAGAAGTGGTTC  
 AAACTTATTCAGCATCAAAGAATGCATACTGGAGAGAAACCTTATGAATGTAAGGAATGTGGGAAGACC  
 TTTAGTAGTGGTTCAGACCTTACTCAACATCAGAGAATTCATACTGGTGAGAAACCTTATGAATGTAAGG  
 AATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTATCCAACACCAGCTAATCCATACTGGTAAAGACC  
 CTATGAATGTAAGAATGTGGAAAGTCCTTTAGTAGTGGTTCAGCTCTAATCGGCACCAGAGAATACAC  
 ACTGGTGAGAAACCTTATGAATGTAAGGAGTGTGGGAAGGCTTTTTATAGTGGCTCAAGCCTTACTCAGC  
 ATCAGAGAATTCATACAGGTGAGAAACCTTATGAATGTAAGAATGTGGGAAGGCTTATGGGAGGGATTC  
 AGAGTTTCAGCAACATAAGAAAAGTCATAATGGTAAGAACTCTGCGAATTGGAAACTATAAAT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

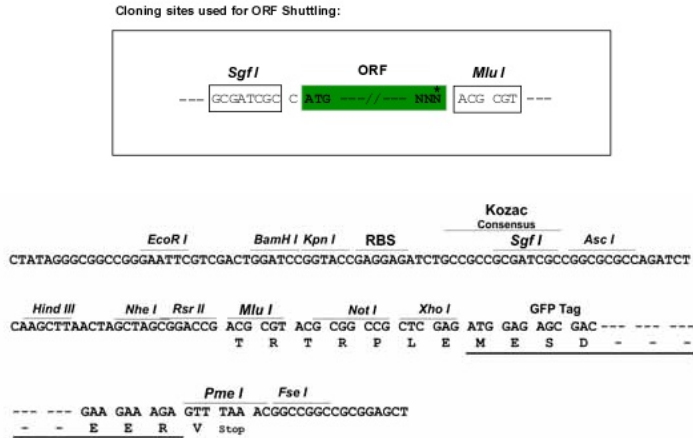
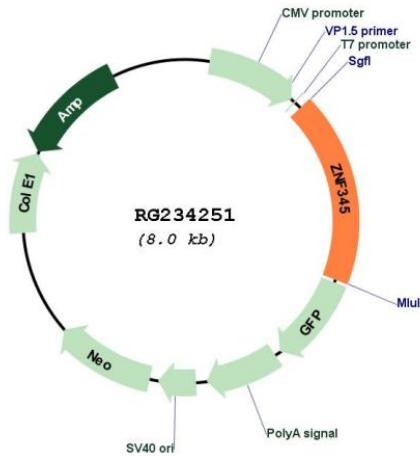
>RG234251 representing NM\_001242472  
 Red=Cloning site Green=Tags(s)

MENLTKHSIECSSFRGDWECKNQFERKQGSQEGHFSEMIFTPEDMPTFSIQHQRIHTDEKLECKECKGD  
 FSFVSVLVRHQRIHTGEKPYECKECKGAFGSGANLAYHQRIHTGEKPFECKECKGAFGSGSNLTHHQRIH  
 TGEKPYECKECKGAFSFGSGLIRHQIHSGEKPYECKECKGKSFESALIRHRIHTGEKPYECIDCGKA  
 FSGSNLTQHRIHTGEKPYECKACGMASFSSGSALTRHQRIHTGEKPYICNECKGAFSFGSALTRHQRIH  
 TGEKPYVCKECKGAFNSGSDLTQHRIHTGEKPYECKEKEKAFRSGSKLIQHQMHTGEKPYECKECKGT  
 FSSGSDLTQHRIHTGEKPYECKECKGAFGSGSKLIQHQLIHTGERPYECKECKGKSFSSGSALNRHQRIH  
 TGEKPYECKECKGAFYSGSLTQHRIHTGEKLYECKNCGKAYGRDSEFQQHKKSHNGKLCLELETIN

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


- ACCN:** NM\_001242472
- ORF Size:** 1464 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\\_001242472.2](#)

**RefSeq Size:** 2965 bp

**RefSeq ORF:** 1467 bp

**Locus ID:** 25850

**UniProt ID:** [Q14585](#)

**Cytogenetics:** 19q13.12

**Protein Families:** Transcription Factors

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]