

Product datasheet for **RG234253**

ZNF345 (NM_001242475) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF345 (NM_001242475) 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:

>RG234253 representing NM_001242475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAAACCTTACAAAACACAGCATTGAGTGTTCAAGTTTCAGAGGTGATTGGGAATGTAAAAACCACT
 TTGAGAGAAAACAGGGATCTCAGGAAGGACATTTCAAGTAAATGATATTTACTCCTGAAGACATGCCAC
 TTTCAGTATCCAGCATCAGAGAATTCATACTGATGAGAAAACCTTGAATGTAAGGAATGTGGGAAGGAT
 TTTAGTTTTGTATCAGTCCTTGTTCGACATCAGCGAATTCATACTGGTGAGAAAACCTTATGAATGCAAAG
 AATGTGGCAAGGCCTTTGGTAGTGGTGCAAACCTTGCTTACCATCAAAGAATTCATACTGGTGAGAAGCC
 TTTTGAATGTAAGAATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTACTCACCATCAGAGAATTCAT
 ACTGGTGAGAAAACCTATGAGTGAAGGAATGTGGGAAGGCCTTAGTTTTGGATCAGGCCTTATTCGAC
 ATCAGATCATTACAGTGGTGAGAAGCCTTATGAGTGAAGGAATGTGGGAAGTCCTTAGTTTTGAATC
 AGCCCTTATTCGGCATCAGAGAATTCACACAGGTGAGAAAACCTTATGAATGTATAGATTGTGGTAAAGCC
 TTTGGCAGTGGTTCAAACCTTACTCAACATCGGCGGATTCATACTGGTGAGAAAACCTTATGAATGCAAAG
 CATGTGGAATGGCCTTAGCAGTGGTTCGGCTCTTACTCGGCATCAGAGAATTCATACCGGTGAGAAAAC
 ATATATATGTAATGAATGTGGTAAGGCCTTAGTTTTGGATCAGCCCTTACTCGACATCAAAGAATTCAT
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 AAACTTATTCAGCATCAAAGAATGCATACTGGAGAGAAAACCTTATGAATGTAAGGAATGTGGGAAGACC
 TTTAGTAGTGGTTCAGACCTTACTCAACATCAGAGAATTCATACTGGTGAGAAAACCTTATGAATGTAAGG
 AATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTATCCAACACCAGCTAATCCATACTGGTAAAGACC
 CTATGAATGTAAGAATGTGGAAAGTCCTTTAGTAGTGGTTCAGCTCTAATCGGCACCAGAGAATACAC
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 ATCAGAGAATTCATACAGGTGAGAAAACCTTATGAATGTAAGAATGTGGGAAGGCCTTATGGGAGGGATTC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

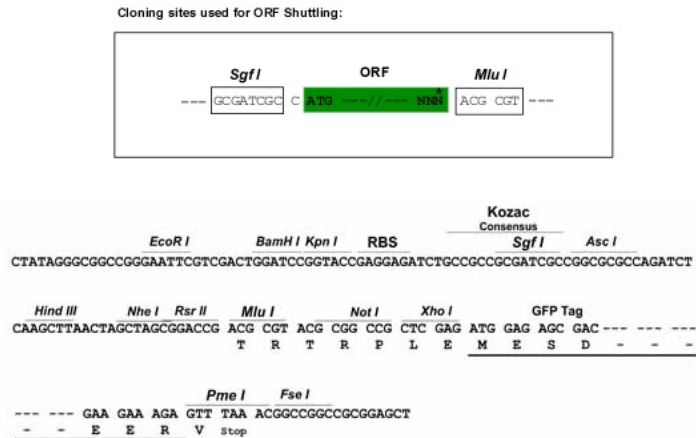
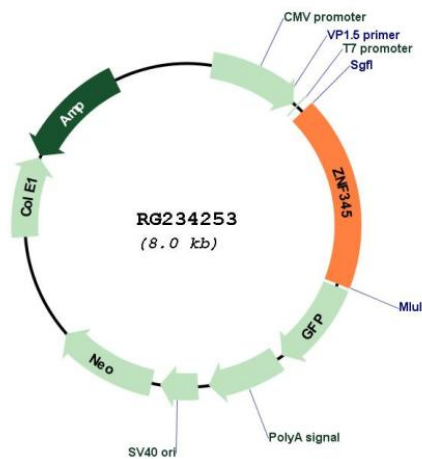
>RG234253 representing NM_001242475
 Red=Cloning site Green=Tags(s)

MENLTKHSIECSSFRGDWECKNQFERKQGSQEGHFSEMIFTPEDMPTFSIQHQRIHTDEKLECKECKGD
 FSFVSVLVRHQRIHTGEKPYECKECKGAFGSGANLAYHQRIHTGEKPFECKECKGAFGSGSNLTHHQRIH
 TGEKPYECKECKGAFSFGSGLIRHQIHSGEKPYECKECKGKSFESALIRHRIHTGEKPYECIDCGKA
 FGSGSNLTQHRIHTGEKPYECKACGMASFSSGSALTRHQRIHTGEKPYICNECKGAFSFGSALTRHQRIH
 TGEKPYVCKECKGAFNSGSDLTQHRIHTGEKPYECKEKEKAFRSGSKLIQHQMHTGEKPYECKECKGT
 FSSGSDLTQHRIHTGEKPYECKECKGAFGSGSKLIQHQLIHTGERPYECKECKGKSFSSGSALNRHQRIH
 TGEKPYECKECKGAFYSGSLTQHRIHTGEKLYECKNCGKAYGRDSEFQQHKKSHNGKLCLELETIN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001242475

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_001242475.1](#), [NP_001229404.1](#)

RefSeq Size: 2945 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]