

## Product datasheet for **RC234253**

### ZNF345 (NM\_001242475) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF345 (NM_001242475) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF345
Synonyms:	HZF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234253 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAAAACCTTACAAAACACAGCATTGAGTGTTCAAGTTTCAGAGGTGATTGGGAATGTAAAAACCAAGT  
 TTGAGAGAAAACAGGGATCTCAGGAAGGACATTTCAAGTAAATGATATTTACTCCTGAAGACATGCCAC  
 TTTCAGTATCCAGCATCAGAGAATTCATACTGATGAGAACTCCTTGAATGTAAGGAATGTGGGAAGGAT  
 TTTAGTTTTGTATCAGTCCTTGTTCGACATCAGCGAATTCATACTGGTGAGAAACCTTATGAATGCAAAG  
 AATGTGGCAAGGCCTTTGGTAGTGGTGCAAACCTTGCTTACCATCAAAGAATTCATACTGGTGAGAAGCC  
 TTTTGAATGTAAGAATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTACTCACCATCAGAGAATTCAT  
 ACTGGTGAGAAACCTATGAGTGAAGGAATGTGGGAAGCCTTAGTTTTGGATCAGGCCTTATTCGAC  
 ATCAGATCATTACAGTGGTGAGAAGCCTTATGAGTGAAGGAATGTGGGAAGTCCTTTAGTTTTGAATC  
 AGCCCTTATTCGGCATCAGAGAATTCACACAGGTGAGAAACCTTATGAATGTATAGATTGTGGTAAAGCC  
 TTTGGCAGTGGTTCAAACCTTACTCAACATCGGCGGATTCATACTGGTGAGAAACCTTATGAATGCAAAG  
 CATGTGGAATGGCCTTAGCAGTGGTTCGGCTTACTCGGCATCAGAGAATTCATACCGGTGAGAAAC  
 ATATATATGTAATGAATGTGGTAAGGCCTTTAGTTTTGGATCAGCCCTTACTCGACATCAAAGAATTCAT  
 ACTGGTGAGAAACCTTATGTATGTAAGGAATGTGGGAAGGCTTTAATAGTGGCTCAGATCTCACTCAGC  
 ATCAGAGAATTCACACTGGTGAGAAACCTATGAGTGAAGGAGTGTGAGAAAGCCTTTAGAAGTGGTTC  
 AAACTTATTCAGCATCAAAGAATGCATACTGGAGAGAAACCTTATGAATGTAAGGAATGTGGGAAGACC  
 TTTAGTAGTGGTTCAGACCTTACTCAACATCAGAGAATTCATACTGGTGAGAAACCTTATGAATGTAAGG  
 AATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTATCCAACACCAGCTAATCCATACTGGTGAAGACC  
 CTATGAATGTAAGAATGTGGAAAGTCCTTTAGTAGTGGTTCAGCTCTTAAATCGGCACCAGAGAATACAC  
 ACTGGTGAGAAACCTTATGAATGTAAGGAGTGTGGGAAGGCTTTTTATAGTGGCTCAAGCCTTACTCAGC  
 ATCAGAGAATTCATACAGGTGAGAAACCTTATGAATGTAAGAATGTGGGAAGGCTTATGGGAGGGATTC  
 AGAGTTTCAGCAACATAAGAAAAGTCATAATGGTAAGAACTCTGCGAATTGAAACTATAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234253 protein sequence  
 Red=Cloning site Green=Tags(s)

MENLTKHSIECSSFRGDWECKNQFERKQGSQEGHFSEMIFTPEDMPTFSIQHQR IHTDEKLECKECKGD  
 FSFVSVLVRHQRIHTGEKPYECKECKGAFGSGANLAYHQRIHTGEKPFECKECKGAFGSGSNLTHHQRIH  
 TGEKPYECKECKGAFSFGSGLIRHQI IHSGEKPYECKECKGKSFESALIRHRIHTGEKPYECIDCGKA  
 FSGSNLTQHRIHTGEKPYECKACGMFSSGSALTRHQRIHTGEKPYICNECGKAFSFGSALTRHQRIH  
 TGEKPYVCKECKGAFNSGSDLTQHRIHTGEKPYECKEKEKAFRSGSKLIQHQMHTGEKPYECKECKGT  
 FSSGSDLTQHRIHTGEKPYECKECKGAFGSGSKLIHQQLIHTGERPYECKECKGKSFSSGSALNRHQRIH  
 TGEKPYECKECKGAFYSGSSLTQHRIHTGEKLYECKNCGKAYGRDSEFQQHKKSHNGKLCLEETIN

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6320\\_a07.zip](https://cdn.origene.com/chromatograms/mk6320_a07.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**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

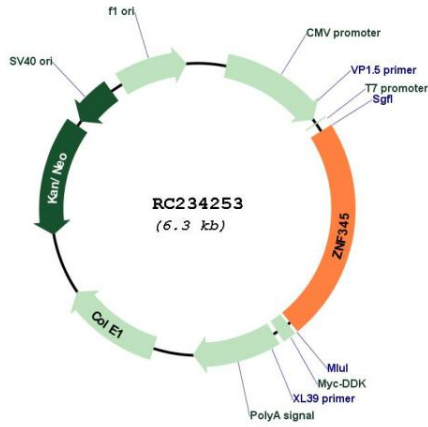
**Locus ID:** 25850

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

**Cytogenetics:** 19q13.12

Protein Families: Transcription Factors  
 MW: 55.4 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC234253