

Product datasheet for **RC234251**

ZNF345 (NM_001242472) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF345 (NM_001242472) 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:

>RC234251 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAAACCTTACAAAACACAGCATTGAGTGTTCAAGTTTCAGAGGTGATTGGGAATGTAAAAACCAAGT
 TTGAGAGAAAACAGGGATCTCAGGAAGGACATTTCAAGTAAATGATATTTACTCCTGAAGACATGCCAC
 TTTCAGTATCCAGCATCAGAGAATTCATACTGATGAGAACTCCTTGAATGTAAGGAATGTGGGAAGGAT
 TTTAGTTTTGTATCAGTCCTTGTTCGACATCAGCGAATTCATACTGGTGAGAAACCTTATGAATGCAAAG
 AATGTGGCAAGGCCTTTGGTAGTGGTGCAAACCTTGCTTACCATCAAAGAATTCATACTGGTGAGAAGCC
 TTTTGAATGTAAGAATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTACTCACCATCAGAGAATTCAT
 ACTGGTGAGAAACCTATGAGTGAAGGAATGTGGGAAGGCCTTAGTTTTGGATCAGGCCTTATTCGAC
 ATCAGATCATTACAGTGGTGAGAAGCCTTATGAGTGAAGGAATGTGGGAAGTCCTTAGTTTTGAATC
 AGCCCTTATTCGGCATCAGAGAATTCACACAGGTGAGAAACCTTATGAATGTATAGATTGTGGTAAAGCC
 TTTGGCAGTGGTTCAAACCTTACTCAACATCGGCGGATTCATACTGGTGAGAAACCTTATGAATGCAAAG
 CATGTGGAATGGCCTTAGCAGTGGTTCGGCTTACTCGGCATCAGAGAATTCATACCGGTGAGAAAC
 ATATATATGTAATGAATGTGGTAAGGCCTTAGTTTTGGATCAGCCCTTACTCGACATCAAAGAATTCAT
 ACTGGTGAGAAACCTTATGTATGTAAGGAATGTGGGAAGGCCTTTAATAGTGGCTCAGATCTCACTCAGC
 ATCAGAGAATTCACACTGGTGAGAAACCTATGAGTGAAGGAGTGTGAGAAAGCCTTTAGAAGTGGTTC
 AAACTTATTCAGCATCAAAGAATGCATACTGGAGAGAAACCTTATGAATGTAAGGAATGTGGGAAGACC
 TTTAGTAGTGGTTCAGACCTTACTCAACATCAGAGAATTCATACTGGTGAGAAACCTTATGAATGTAAGG
 AATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTATCCAACACCAGCTAATCCATACTGGTGAAGACC
 CTATGAATGTAAGAATGTGGAAAGTCCTTTAGTAGTGGTTCAGCTCTAATCGGCACCAGAGAATACAC
 ACTGGTGAGAAACCTATGAATGTAAGGAGTGTGGGAAGGCCTTTTATAGTGGCTCAAGCCTTACTCAGC
 ATCAGAGAATTCATACAGGTGAGAAACCTTATGAATGTAAGAATGTGGGAAGGCCTTATGGGAGGGATTC
 AGAGTTTCAGCAACATAAGAAAAGTCATAATGGTAAGAACTCTGCGAATTGAAACTATAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234251 protein sequence
 Red=Cloning site Green=Tags(s)

MENLTKHSIECSSFRGDWECKNQFERKQGSQEGHFSEMIFTPEDMPTFSIQHQRIHTDEKLECKECKGKD
 FSFVSVLVRHQRIHTGEKPYECKECKGAFGSGANLAYHQRIHTGEKPFECKECKGAFGSGSNLTHHQRIH
 TGEKPYECKECKGAFSFGSGLIRHQI IHSGEKPYECKECKGKSFESALIRHRIHTGEKPYECIDCGKA
 FSGSNLTQHRIHTGEKPYECKACGMFSSGSALTRHQRIHTGEKPYICNECGKAFSFGSALTRHQRIH
 TGEKPYVCKECKGAFNSGSDLTQHRIHTGEKPYECKEKEKAFRSGSKLIQHQMHTGEKPYECKECKGT
 FSSGSDLTQHRIHTGEKPYECKECKGAFGSGSKLIQHQLIHTGERPYECKECKGKSFSSGSALNRHQRIH
 TGEKPYECKECKGAFYSGSSLTQHRIHTGEKLYECKNCGKAYGRDSEFQQHKSHNGKLCLEETIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6320_a07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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

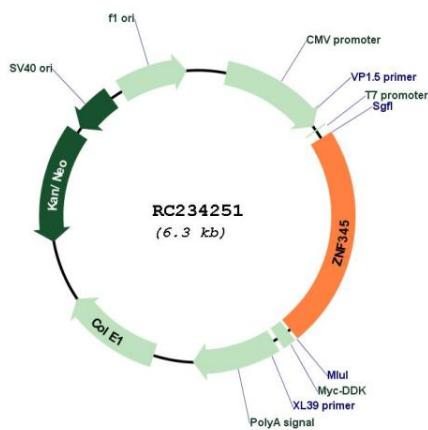
Locus ID: 25850

UniProt ID: [Q14585](#)

Cytogenetics: 19q13.12

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

Product images:



Circular map for RC234251