

Product datasheet for **RC234252**

ZNF345 (NM_001242474) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF345 (NM_001242474) 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:

>RC234252 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAAACCTTACAAAACACAGCATTGAGTGTTCAAGTTTCAGAGGTGATTGGGAATGTAAAAACCAAGT
TTGAGAGAAAACAGGGATCTCAGGAAGGACATTTCAAGTAAATGATATTTACTCCTGAAGACATGCCAC
TTTCAGTATCCAGCATCAGAGAATTCATACTGATGAGAAAACCTTGAATGTAAGGAATGTGGGAAGGAT
TTTAGTTTTGTATCAGTCCTTGTTCGACATCAGCGAATTCATACTGGTGAGAAAACCTTATGAATGCAAAG
AATGTGGCAAGGCCTTTGGTAGTGGTGCAAACCTTGCTTACCATCAAAGAATTCATACTGGTGAGAAGCC
TTTTGAATGTAAGAATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTACTCACCATCAGAGAATTCAT
ACTGGTGAGAAAACCTATGAGTGAAGGAATGTGGGAAGGCCTTAGTTTTGGATCAGGCCTTATTCGAC
ATCAGATCATTACAGTGGTGAGAAGCCTTATGAGTGAAGGAATGTGGGAAGTCCTTAGTTTTGAATC
AGCCCTTATTCGGCATCAGAGAATTCACACAGGTGAGAAAACCTTATGAATGTATAGATTGTGGTAAAGCC
TTTGGCAGTGGTTCAAAACCTTACTCAACATCGGCGGATTCATACTGGTGAGAAAACCTTATGAATGCAAAG
CATGTGGAATGGCCTTAGCAGTGGTTCGGCTTACTCGGCATCAGAGAATTCATACCGGTGAGAAAAC
ATATATATGTAATGAATGTGGTAAGGCCTTAGTTTTGGATCAGCCCTTACTCGACATCAAAGAATTCAT
ACTGGTGAGAAAACCTTATGTATGTAAGGAATGTGGGAAGGCCTTTAATAGTGGCTCAGATCTCACTCAGC
ATCAGAGAATTCACACTGGTGAGAAAACCTATGAGTGAAGGAGTGTGAGAAAACCTTTAGAAAGTGGTTC
AAAACCTTATTCAGCATCAAAGAATGCATACTGGAGAGAAAACCTTATGAATGTAAGGAATGTGGGAAGACC
TTTAGTAGTGGTTCAGACCTTACTCAACATCAGAGAATTCATACTGGTGAGAAAACCTTATGAATGTAAGG
AATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTATCCAACACCAGCTAATCCATACTGGTGAAGACC
CTATGAATGTAAGAATGTGGAAAGTCCTTTAGTAGTGGTTCAGCTCTTAATCGGCACCAGAGAATACAC
ACTGGTGAGAAAACCTATGAATGTAAGGAGTGTGGGAAGGCCTTTTATAGTGGCTCAAGCCTTACTCAGC
ATCAGAGAATTCATACAGGTGAGAAAACCTTATGAATGTAAGAATGTGGGAAGGCCTTATGGGAGGGATTC
AGAGTTTCAGCAACATAAGAAAAGTCATAATGGTAAGAAAACCTCTGCGAATGGAAAACATAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234252 protein sequence
Red=Cloning site Green=Tags(s)

MENLTKHSIECSSFRGDWECKNQFERKQGSQEGHFSEMIFTPEDMPTFSIQHQRIHTDEKLLLECKECKGD
FSFVSVLVRHQRIHTGEKPYECKECKGAFGSGANLAYHQRIHTGEKPFECKECKGAFGSGSNLTHHQRIH
TGEKPYECKECKGAFSFGSGLIRHQIHSGEKPYECKECKGKSFESALIRHRIHTGEKPYECIDCGKA
FSGSNLTQHRIHTGEKPYECKACGMFSSGSALTRHQRIHTGEKPYICNECGKAFSFGSALTRHQRIH
TGEKPYECKECKGAFNSGSDLTQHRIHTGEKPYECKEKEKAFRSGSKLIQHQMHTGEKPYECKECKGT
FSSGSDLTQHRIHTGEKPYECKECKGAFGSGSKLIHQQLIHTGERPYECKECKGKSFSSGSALNRHQRIH
TGEKPYECKECKGAFYSGSSLTQHRIHTGEKLYECKNCGKAYGRDSEFQQHKSHNGKLCLETIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

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

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001242474

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_001242474.1](#), [NP_001229403.1](#)

RefSeq Size: 3110 bp

RefSeq ORF: 1467 bp

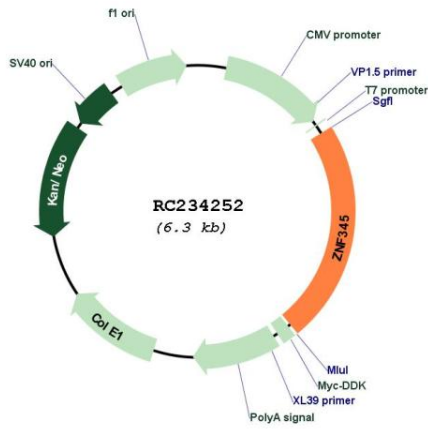
Locus ID: 25850

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 RC234252