

Product datasheet for **RG206287**

ZNF345 (NM_003419) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF345 (NM_003419) 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:

>RG206287 representing NM_003419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAAACCTTACAAAACACAGCATTGAGTGTTCAAGTTTCAGAGGTGATTGGGAATGTAAAAACCACT
 TTGAGAGAAAACAGGGATCTCAGGAAGGACATTTCAAGTAAATGATATTTACTCCTGAAGACATGCCAC
 TTTCAGTATCCAGCATCAGAGAATTCATACTGATGAGAACTCCTTGAATGTAAGGAATGTGGGAAGGAT
 TTTAGTTTTGTATCAGTCCTTGTTCGACATCAGCGAATTCATACTGGTGAGAAACCTTATGAATGCAAAG
 AATGTGGCAAGGCCTTTGGTAGTGGTGCAAACCTTGCTTACCATCAAAGAATTCATACTGGTGAGAAGCC
 TTTTGAATGTAAGAATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTACTCACCATCAGAGAATTCAT
 ACTGGTGAGAAACCTATGAGTGAAGGAATGTGGGAAGGCCTTAGTTTTGGATCAGGCCTTATTCGAC
 ATCAGATCATTACAGTGGTGAGAAGCCTTATGAGTGAAGGAATGTGGGAAGTCCTTAGTTTTGAATC
 AGCCCTTATTCGGCATCAGAGAATTCACACAGGTGAGAAACCTTATGAATGTATAGATTGTGGTAAAGCC
 TTTGGCAGTGGTCAAACCTTACTCAACATCGGCGGATTCATACTGGTGAGAAACCTTATGAATGCAAAG
 CATGTGGAATGGCCTTAGCAGTGGTTCGGCTCTTACTCGGCATCAGAGAATTCATACCGGTGAGAAAC
 ATATATATGTAATGAATGTGGTAAGGCCTTAGTTTTGGATCAGCCCTTACTCGACATCAAAGAATTCAT
 ACTGGTGAGAAACCTTATGTATGTAAGGAATGTGGGAAGGCCTTTAATAGTGGCTCAGATCTCACTCAGC
 ATCAGAGAATTCACACTGGTGAGAAACCTATGAGTGAAGGAGTGTGAGAAAGCCTTAGAAGTGGTTC
 AAACTTATTCAGCATCAAAGAATGCATACTGGAGAGAAACCTTATGAATGTAAGGAATGTGGGAAGACC
 TTTAGTAGTGGTTCAGACCTTACTCAACATCAGAGAATTCATACTGGTGAGAAACCTTATGAATGTAAGG
 AATGTGGGAAGGCCTTTGGTAGTGGCTCAAACCTTATCCAAACACAGCTAATCCATACTGGTAAAGACC
 CTATGAATGTAAGAATGTGGAAAGTCCTTTAGTAGTGGTTCAGCTCTAATCGGCACCAGAGAATACAC
 ACTGGTGAGAAACCTTATGAATGTAAGGAGTGTGGGAAGGCCTTTTATAGTGGCTCAAGCCTTACTCAGC
 ATCAGAGAATTCATACAGGTGAGAAACCTTATGAATGTAAGAAGTGTGGGAAGGCCTTATGGGAGGGATTC
 AGAGTTTCAGCAACATAAGAAAAGTCATAATGGTAAGAACTCTGCGAATTGGAAACTATAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206287 representing NM_003419
 Red=Cloning site Green=Tags(s)

MENLTKHSIECSSFRGDWECKNQFERKQGSQEGHFSEMIFTPEDMPTFSIQHQRIHTDEKLECKECKGD
 FSFVSVLVRHQRIHTGEKPYECKECKGAFGSGANLAYHQRIHTGEKPFECKECKGAFGSGSNLTHHQRIH
 TGEKPYECKECKGAFSFGSGLIRHQI IHSGEKPYECKECKGKSFESALIRHRIHTGEKPYECIDCGKA
 FSGSNLTQHRIHTGEKPYECKACGMASFSSGSALTRHQRIHTGEKPYICNECKGAFSFGSALTRHQRIH
 TGEKPYVCKECKGAFNSGSDLTQHRIHTGEKPYECKEKEKAFRSGSKLIQHQMHTGEKPYECKECKGT
 FSSGSDLTQHRIHTGEKPYECKECKGAFGSGSKLIQHQLIHTGERPYECKECKGKSFSSGSALNRHQRIH
 TGEKPYECKECKGAFYSGSLTQHRIHTGEKLYECKNCGKAYGRDSEFQQHKSHNGKLCLELETIN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_003419

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_003419.4](#)

RefSeq Size: 3163 bp

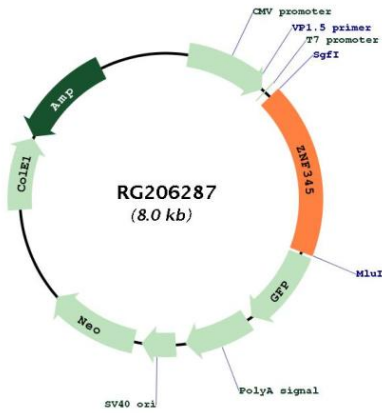
RefSeq ORF: 1467 bp

Locus ID: 25850

UniProt ID: [Q14585](#)

Cytogenetics: 19q13.12
 Domains: zf-C2H2
 Protein Families: Transcription Factors
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206287