

Product datasheet for **RG215500**

ZNF17 (NM_006959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF17
Synonyms:	HPF3; KOX10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215500 ORF sequence, **codon optimized**.

Due to the complexity of NM_006959, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAATCTGACAGAAGATTACATGGTGTTCGAAGACGTAGCCATTCACTTTTCTCAGGAGGAGTGGGGGA
TCTTGAAACGATGTGCAACGGCATCTCCATAGTGATGTGCTGGAGAACTTCGCTCTCCTCAGCAGCGT
GGGATGCTGGCACGGGGCAAAAGACGAAGAGGCTCCATCTAAGCAGTGCCTCTCCGTGGCGTGTCAAA
GTGACAACCTGAAACCTGCCCTCTCTACGCAGAAGGCCACGCTTGCGAGACTTGTAGCTCCCTGCTTA
AGGACATTCTTCATTTGGCCGAACACGATGGAACCCACCGAAGAGGACCGCCAACTTTACCTCCATCA
GAAGGAGCATCTGCGCGAAAAGCTGACGAGGTCCGACGAAGGTCGCCCAAGCTTCGTGAACGACTCAGTG
CATCTCGCGAAGCGCAATCTGACGTGTATGCAGGGAGGCAAGGATTTTACAGGAGACTCTGATCTTCAAC
AACAGGCGCTTCACTCAGGTGGAAACCGCACCGCATCTCATGGAGTAGAGGCCCTCCAGAGTGGCCA
GAATAATTATTCATGTACTCAATGCGGTAAAGACTTTTGCCATCAGCACACGCTGTTTCGAGCATCAGAAA
ATTCACACAGAGGAACGGCCATACGAGTGTTCGAGTGTGGAAAGCTTTTTAGATACAATAGCGATCTGA
TCAAGCACAGAGAAATCACACTGGGGAAGACCTATAAGTGCAGCGAGTGCAGAAAAGCATTCTCTTT
GAAATATAATGTAGTTCAGCATCAAAGATTCTACTGGAGAAAGACCATATGAATGCTCTGAGTGCAGG
AAAGCTTTTCTCAGAAAATCTCACTTGTTCAGCACAGAGAATACACACCAGACCGCGCCATATGTGT
GTTCCGAATGTGGCAAGGCCTTCTGACTCAGGCCCATCTGGTTGGTCACCAGAAGATACATACGGGAGA
AAGACCTATGGGTGCAACGAATGCGGCAAGTATTTTCATGTATTCTTCAGCCCTGATCCGCCACCAAAAA
GTCCACACCGGCGAACGGCCTTTCTATTGCTGTGAGTGTGGAAATTCTTTATGGTAGTTGCACACTGA
TTATCCATCAGCGCGTGACACGGGCGAGAAGCCTTATGAGTGTAATGAGTGCAGGAAAGTTTTTAGGTA
CCGCTCTACACTCATTAGGCACCAGAAGGTCCACACAGGTGAGAAGCCCTACGAGTGCAGCGAATGTGGC
AAGTTCTTTATGGACACATCTACCCTGATTATTCATCAGAGGTGCACACTGGCGAGAAGCCTTATGAAT
GCAACAAGTGTGAAAAATTTTCCGCTACTGCTTACCCTGAATCGGCACCAGAGGGTGCATAGCGGCGA
GCGCCCTACGAGTGTAGCGAGTGTGAAAATTCTTTGTAGACTCTGCACGCTTAAAAGTCATCAACGA
GTGCACACCGGGGAACGCCCTTCGAGTGTTCATCTGTGGTAAAAGCTTCAGGTGTAGAAGCACCTCG
ATACACATCAGAGAATCCACTGGAGAGCGCCCTATGAGTGCTCTGAATGTGGTAAGTTCTTTAGACA
CAACAGTAATCATATTAGACATCGGCGGAATCATTTTGGAGAACGCTCCTTTGAGTGCACCGAGTGCAG
AGGGTCTTTTCCAGAATAGTCACTTGATCAGACACCAAAAGGTTACACCCGCGAGAGAACCTACAAGT
GCAGCAAGTGCAGGAAATTTTTATGGACAGTAGCACACTGATCAGCCATGAGAGGGTGCACACAGGTGA
AAAACCATATGAATGTTCCGAATGCGGCAAGGTGTTCCGCTACAACCTCATCCCTGATTAAACATCGGAGG
ATTCACACGGGCGAAAGCCTTACCAGTGTAGTGAGTGTGGTAGAGTTTTTAACCAGAACTCCCATCTCA
TACAGCACAGAAAGGTTACACCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215500 representing NM_006959

Red=Cloning site Green=Tags(s)

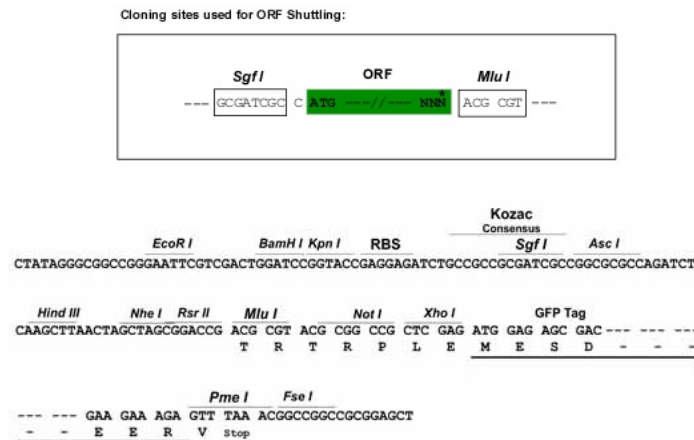
MNLTEDYMFEDVAIHFSQEEWGILNDVQRHLHSDVMLENFALLSSVGCWHGAKDEEAPSKQCVSVGVSQ
VTTLKPALSTQKAQPCETCSSLLKDILHLAEHDGTHPKRTAKLYLHQKEHLREKLTRSDEGRPSFVNDVS
HLAKRNLTCMQGGKDFGSDQLQQALHSGWKPHRDTHGVEAFQSGQNNYSCTQCGKDFCHQHTLFEHQK
IHTEERPYPECSECKLFRYNSDLIKHQNRHTGERPYKCECGKAFSLKYNVVQHOKIHTGERPYECSECG
KAFLRKSHLLQHQRHTRPRPYVCSECGKAFLTQAHLVGHQKIHTGERPYGCNECGKYFMYSSALIRHQK
VHTGERPFYCCECGKFFMDSCTLIHQRVHTGEKPYECNECGKFFRYRSTLIRHQKVHTGEKPYECSECG
KFFMDTSTLIHQRVHTGEKPYECNCKGKFFRYCFTLNHRQVRVHSGERPYPECSECGKFFVDSCTLKSHQR
VHTGERPFECISCGKSFRCRSTLDTHQRIHTGERPYECSECGKFFRHNSNHIRHRRNHFGERSFECTECG
RVFSQNSHLIRHQKVHTRERTYKCSKCGKFFMDSSTLISHERVHTGEKPYECSECGKVFRYNSSLIKHRR
IHTGERPYQCSEGRVFNQNSHLIQHKVHTR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_006959

ORF Size:

1986 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:

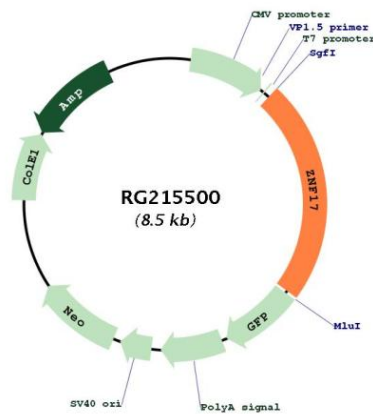
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_006959.2</u> , <u>NP_008890.2</u>
RefSeq Size:	2678 bp
RefSeq ORF:	1989 bp
Locus ID:	7565
UniProt ID:	<u>P17021</u>
Cytogenetics:	19q13.43
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215500