

## Product datasheet for **RC201171**

### ZNF432 (NM\_014650) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF432 (NM_014650) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF432
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC201171 ORF sequence, **codon optimized**.  
**Due to the complexity of NM\_014650, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGATTAACGCCAGGAGCTGCTCACCCCTGGAGGACGTACGGTTGAATTCACATGGGAGGAGTGGCAGC  
 TGCTGGGCCCTTTTCAGAAGGATCTGTACCGAGACGTAATGCTCGAGATCTACTCAAACCTGCTCTCAAT  
 GGGTTACCAGGTCAGTAAGCCAGACGCCCTTAGCAAGCTGGAAAGGGGAGAAGAGCCGTGGACCATGGAG  
 GACGAACGCCATAGCCGGATTTGTCAGAAAACAATGAAGTGGACGACCCTCTGCAGGATCATCTTGAGA  
 ACCAACGGATGCTGAAATCTGTGGAGCAATACCACGAGCAACAATGCCTTCGGCAACTGCTAGCCAAAC  
 CAAAAGCCTTTGCCTCTTTAGAGAAAACCATGATACATTCGAACTGTACATCAAGACCCTGAAAAGTAAT  
 CTGTCCCTTGTGAATCAGAATAAGAGCTGTGAAATCAATAATTCTACAAATTCACGGGAGACGGCAAGT  
 CTTTCCTTACGGCAACTATGAGGAGCTGACTCTGCCGCCAAGTTCTCCGTTAGCACCAAAGCCAACTC  
 CACAAAGTCTCAGGTGAGCAAGCACCAGCGCACACAGAGATTGAAAAGAACCACGTTTGTCTCCGAGTGC  
 GGCAAGGCCTTTGTGAAGAAGTCTCAACTGACTGATCATGAGAGAGTGCACACCGGAGAGAAGCCATATG  
 GCTGTACACTGTGTGCAAAGTCTTCAGCAGGAAGAGCAGACTGAACGAGCACCAGAGAATACACAAGCC  
 CGAAAAATCATTATCTGCTCAGAGTGTGGTAAGGTGTTCACAATGAAGAGCAGGCTGATTGAGCATCAG  
 AGGACCCACACTGGGAAAAACCGTACATATGTAAAGTGTGGCAAAGGCTTCCCGGGAAGCGGAATC  
 TTATTGTTCAACCAGAGAAATCACACTGGAGAGAAGTCATATATATGTTCTGAGTGTGAAAAGGGCTTAC  
 AGGCAAGTCTATGTTGATTATCCACCAACGGACTCACACAGGCGAGAAGCCTTATATTTGTAGTGTGAGTGC  
 GGAAAAGGATTTACTACCAAGCACTACGTGATAATCCACCAAAGAAACCATACAGGAGAAAAACCTTATA  
 TCTGTAACGAGTGCAGCAAGGGTTCCACATGAAATCTCGAATGATAGAACACCAGAGGACTCATACTGG  
 CGAGAAGCCTTACATTTGCAGTGTGTTGAAAGGGATTCCCGCGGAAGTCCAATCTCATCGTGCATCAG  
 CGAAACCACACTGTCGAAAAATCCTATCTGTGCTCCGAGTCCGGGAAAGGCTTTACAGTAAAAGCATGC  
 TGATTATCCATCAAAGAACCACACCGGCGAGAAACCTATACATGTAGTGTGCGGAAAGGGCTTCCC  
 ACTTAAGAGCCGGCTGATTGTTTCATCAGCGAACCCACACCGGCGAAAAGCCGTATCGGTGTAGTGTG  
 GGAAAAGGATTCATAGTAAACAGCGGGCTGATGCTCCACCAACGAACGCACACCGGAGAGAAGCCTTACA  
 TCTGCAACGAATGCGGGAAGGGCTTCGCATTCAAATCCAATCTGGTGGTTACCAGCGCACCCACACAGG  
 CGAGAAACCTTTTCATGTGCAGCGAATGCGGAAAAGGCTTCACCATGAAACGGTACCTGATCGTCCACCAG  
 CAGATCCACACCGAGGAAAAAAGTTGTATATGTAGCGAGTCCGGGCGCGGCTTCGCCAAAGAAACGGAGT  
 TGGCTCTCCACAAGCAAGTACATACAGGTGAGAAGCCTTACGGATGCAATGAGTGTGGGAAGGGCTTAC  
 CATGAAGTCTCGGCTGATCGTGCACCAGAGAACTCATACAGGCGAAAAGCCGTTTCGATGCTCCGAATGT  
 AGAAAAGCCTTCTCTCAAAGAGGAATCTCATTGTGCATCAGAGAACCCATAACGGGAACAAACCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201171 representing NM\_014650  
Red=Cloning site Green=Tags(s)

MINAQELLTLEDVTVEFTWEEWQLLGPFGKDLYRDMLEIYSNLLSMGYQVSKPDALSKLERGEEPWTME  
 DERHSRICPENNEVDDHLQDHLNQRLKSVQYHEHNAFGNTASQTKSLCLFRENHDTFELYIKTLKSN  
 LSLVNQNKSCIEINNSTKFSGDGKSFHLHGNYEEL YSAAKFSVSTKANSTKSQVSKHQRTHEIEKNHVCSEC  
 GKAFVKKSQLTDHERVHTGEKPYGCTLCAKVF SRKSRLNEHQRIHKREKSFICSECGKVF TMKSRLIEHQ  
 RTHTGEKPYICNECGKGFPGKRNLIVHQRNHTGEKSYICSECGKFTGKSMIIHQRTHTGEKPYICSEC  
 GKGF TTKHYVIIHQRNHTGEKPYICNECGKFTMKSRLIEHQRTHTGEKPYICSECGKGFPRKSNLIVHQ  
 RNHTVEKSYLCSECGKFTVKSMLIIHQRTHTGEKPYTCSECGKGFPLKSRLIVHQRTHTGEKPYRCSEC  
 GKGFIVNSGLMLHQRTHTGEKPYICNECGKGF AFKSNLVVHQRTHTGEKPFMCSECGKFTMKRYLIVHQ  
 QIHTEEKSCICSECGRFAKETELALHKQVHTGEKPYGCNECGKFTMKSRLIVHQRTHTGEKPFVSEC  
 RKAFSSKRNLIVHQRTHTNGNKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014650

**ORF Size:** 1956 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\\_014650.1](#), [NM\\_014650.2](#), [NM\\_014650.3](#), [NP\\_055465.1](#)

**RefSeq Size:** 4637 bp

**RefSeq ORF:** 1959 bp

**Locus ID:** 9668

**UniProt ID:** [O94892](#)

**Cytogenetics:** 19q13.41

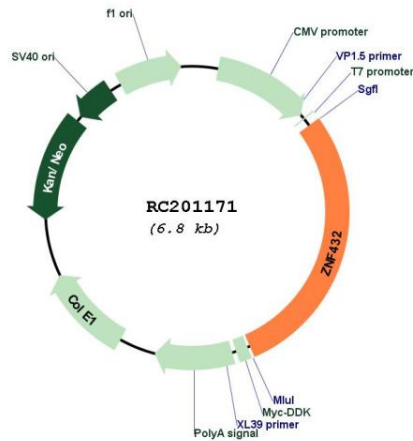
**Domains:** KRAB, zf-C2H2

**Protein Families:** Transcription Factors

**MW:** 74.8 kDa

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC201171