

## Product datasheet for RC227722

### ZNF447 (ZSCAN18) (NM\_001145544) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF447 (ZSCAN18) (NM_001145544) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF447
Synonyms:	ZNF447
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227722 representing NM_001145544 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCTGGGCTCCCCTGCGGGCTCATCCTCAATTCTTAGCGATGGAGTGTACGAGAGGCACATGGACC  
CTCTGCTGCTACCAGGCGAGCTCGCGAGCCCCAGCCAGGCCCTTGGAGCTGGGGAGATCCCGCACCTTC  
TGAGACACCTGGCTTTCTCCGGACCCCTGTTTCTGGAACAGAGGAGGGTCAGAGAAGCAAAGACCGAA  
GAGGACGGCCCTGCCAACCCGAGCAGAAGCTGAAGTCTTTCCAGAGGACCCCTCAGCACCTGGGGGAGT  
GGGGCCACCTGGACCCTGCCGAGGAGAACCTGAAGAGCTACCGGAAGCTGCTCCTGTGGGGTATCAGCT  
TTCCCAGCCTGACGCTGCCTCCAGGCTGGACACTGAGGAACTCCGGTTGGTGGAAAGAGATCCACAAGGA  
AGCAGCCTCCCAGGCGGGAGGCGGCAGGAGAGCGCTGGGTGCGCCTGCGAGGAGGCCGCCCCCGGGGG  
TGCTGCCTGAGCTGCCTACGGAGGCGCCCCCTGGGGACGCCCCCTGCCGATCCCCCGTCCGGCACCCTGA  
GGAGGAGGAAGAGCAGCCTGGGAAGGCCCGGACCCGACAGGACCCCGAGGACCGGGAGTCCGACTCTGCC  
ACCGGATCGCAGAGGCAGTCCGTATCCAGCAGCCTGCCCGGACAGGGGCACGGCGAAACTGGGAACCA  
AGAGGCCGCACCCCGAGGATGGGGACGGGCAGAGCCTCGAGGGCGTCTTAGCTCCGGCGACAGCGCAGG  
GCTGGAGGCCGGCAGGGCCCTGGGGCTGACGAGCCGGGCTGTCCCGCGGAAGCCCTATGCCTGCGGC  
GAGTGCAGGGGAGGCCCTTCGCGTGGCTCTCGCACCTGATGGAGCACCACAGCAGCCTATGGCGCCGGAAG  
GCTACGCCTGTCAGGGCTGCTGGAAGACCTTCCACTTCAGCCTGGCCCTAGCCGAGCACCAGAAGACCCA  
CGAGAAGGAGAAAAGCTACGCGCTGGGGGGCGCCCGGGGCCCAACCGTCCACCCGCAAGCCAGGCG  
GGGGCTAGGGCGGGCGTCCCCAGAGAGCGTGGAGGGCGAGGCTCCCCCGCACCCCGAGGGCGCAGA  
GG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC227722 representing NM\_001145544  
 Red=Cloning site Green=Tags(s)

MLLGSPAGSSSILSDGVYERHMDPLLLPGELASPSQALGAGEIPAPSETPWLPDPLFLEQRRVREAKTE  
 EDGPANTEQKLLKSPEDPQHLGEWGLDPAEENLKSyrKLLLWGYQLSQPDAASRLDTEELRLVERDPQG  
 SSLPGGRRQESAGCACEEAAPAGVLPPELPTTEAPPDALADPPSGTTEEEEEQPGKAPDPQDPQDAESDSA  
 TGSQRQSVIQQPAPDRGTAKLGTKRPHPEDGDGQSLQEVSSSGDSAGLEAGQGGADEPGLSRGKPYACG  
 ECGEAFAWLSHLMHHSSHGGRKRYACQGCWKTFHFSLALAEHQKTHEKEKSYALGGARGPQPSTREAQA  
 GARAGGPPESVEGEAPPAPPEAQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001145544

**ORF Size:** 1122 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\\_001145544.2](#)

**RefSeq Size:** 2250 bp

**RefSeq ORF:** 1125 bp

**Locus ID:** 65982

**UniProt ID:** [Q8TBC5](#)

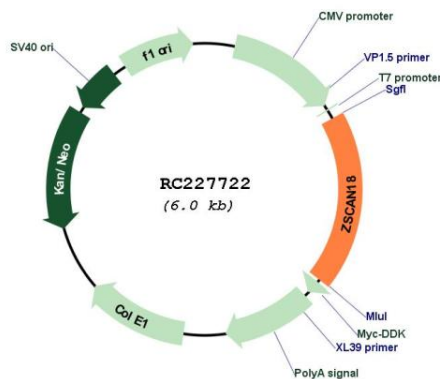
**Cytogenetics:** 19q13.43

**Protein Families:** Transcription Factors

**MW:** 39.6 kDa

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

**Product images:**



Circular map for RC227722