

Product datasheet for **RG227722**

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:	TurboGFP
Symbol:	ZSCAN18
Synonyms:	ZNF447
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG227722 representing NM_001145544
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGCCTTTGGAGAAGGCGTTTGCCTCCCCAGGAGCTCCCCAGCCCCGCCGGATCTGCCACGCCGG
 GGTGAGCAGCCGGAGTCCAGCAGGAAGAACCAGACCATCCCTGAGAGGACCCCTGCTGACCTGGAGTT
 CTCCCGCCTGCGTTTCCGGGAATTTGTCTACCAGGAGGCTGCCGGGCCACCAGACCCTGGCCCGGCTG
 CATGAGCTGTGCCGCCAGTGGCTGATGCCTGAGGCGCGCTCCAAGGAGCAGATGCTGGAGCTGCTGGTGC
 TGGAGCAGTTCTGGGCATCCTGCCTGATAAGGTCGGCCCTGGTGGTGGCACAGTACCCTGAGAGCTG
 CAAGAAGGCAGCCTCCCTGGTGGAGGCCCTCGCTGATGTCCTGGAAGAGCCAGGGATGCTGCTGGGCTCC
 CCTGCGGGCTCATCCTCAATTCTTAGCGATGGAGTGTACGAGAGGCACATGGACCCTCTGCTGCTACCAG
 GCGAGCTCGGAGCCCCAGCCAGGCCCTGGAGCTGGGGAGATCCCGGCACCTTCTGAGACACCCTGGCT
 TTCTCCGACCCCTGTTTCTGGAACAGAGGAGGGTCAGAGAAGCAAAGACCGAAGAGGACGGCCCTGCC
 AACACCGAGCAGAAGCTGAAGTCTTTCCAGAGGACCCTCAGCACCTGGGGGAGTGGGGCCACCTGGACC
 CTGCCGAGGAGAACCTGAAGAGTACCAGGAGTCTCCTGTGGGGGTATCAGCTTTCCAGCCTGACGC
 TGCTCCAGGCTGGACACTGAGGAACTCCGGTTGGTGGAAAGAGATCCACAAGGAAGCAGCCTCCAGAA
 GGCGGGAGGCGCAGGAGAGCGCTGGGTGCGCCTGCGAGGAGGCCGCCCGCGGGGGTGTGCTGAGC
 TGCTACGGAGGCGCCCTGGGACGCCCTTGCCGATCCCCGTGCGGCACCACTGAGGAGGAGGAAGA
 GCAGCCTGGGAAGGCCCGGACCCGACAGACCCAGGACGCGGAGTCCGACTCTGCCACCGGATCGCAG
 AGGCAGTCCGTCATCCAGCAGCTGCCCGGACAGGGGCACGGCGAAACTGGGAACCAAGAGGCCGACC
 CCGAGGATGGGGACGAGCAGAGCCTCGAGGGCTCTCTAGCTCCGGCAGCAGCGCAGGGCTGGAGGCGG
 GCAGGGCCCTGGGGCTGACGAGCCGGGCTTGTCCTCCGCGGAAGCCCTATGCTGCGGCGAGTGGCGGGAG
 GCCTTCGCGTGGCTCTCGCACCTGATGGAGCACACAGCAGCCATGGCGCCGGAAGCGCTACGCCTGTC
 AGGGCTGCTGGAAGACCTTCCACTTCAGCCTGGCCCTAGCCGAGCACCAGAAGACCCACGAGAAGGAGAA
 AAGCTACGCGCTGGGGGGCGCCGGGGCCCCAACCGTCCACCCGGAAGCCAGGCGGGGGCTAGGGCG
 GGCGGTCCCCAGAGAGCGTGGAGGGCAGGCTCCCCCGCACCCACAGAGGCGCAGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

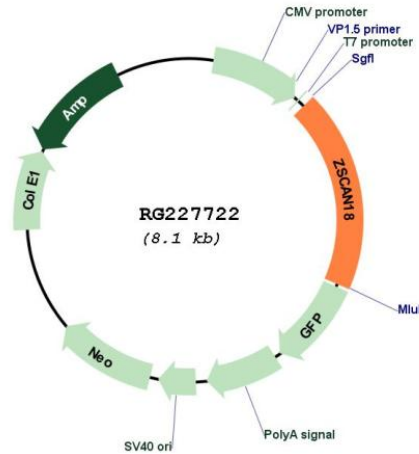
>RG227722 representing NM_001145544
 Red=Cloning site Green=Tags(s)

MLPLEKAFASPRSSPAPPDLPTPGSAAGVQEEPETIPERTPADLEFSRLRFREFVYQEAAGPHQTLARL
 HELCRQWLMPARSKEQMLELLVLEQFLGILPDKVRPWVVAQYPESCKKAASLVEGLADVLEEPGMLLGS
 PAGSSSILSDGVYERHMDPLLLPGELASPSQALGAGEIPAPSETPWLSPDPLFLEQRRVREAKTEEDGPA
 NTEQKLSFPEDPQHLGEWGHLDPAEENLKSRYKLLWGYQLSQPDAASRLDTEELRLVERDPQGSLSPE
 GGRRQESAGCACEEAAPAGVLPPELPTAPPDALADPPSGTTEEEEEQPGKAPDPQDPQDAESDSATGSQ
 RQSVIQQPAPDRGTAKLGTKRHPEDGDEQSLEGVSSSGDSAGLEAGQGPGADEPGLSRGKPYACGECGE
 AFAWLSHLMHHSSHGGRKRYACQGCWKTFFHSLALAEHQKTHEKEKSYALGGARGPQPSTREAQAGARA
 GGPPESVEGEAPPAPPEAQR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


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_001145544.1](#), [NP_001139016.1](#)

RefSeq Size: 2250 bp

RefSeq ORF: 1125 bp

Locus ID: 65982

UniProt ID: [Q8TBC5](#)

Cytogenetics: 19q13.43

Protein Families: Transcription Factors

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