

Product datasheet for **RG227637**

ZNF447 (ZSCAN18) (NM_001145543) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF447 (ZSCAN18) (NM_001145543) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG227637 representing NM_001145543
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGCCTTTGGAGAAGGCGTTTGCCTCCCCAGGAGCTCCCCAGCCCCGCCGGATCTGCCACGCCGG
 GGTGAGCAGCCGGAGTCCAGCAGGAAGAACCAGACCATCCCTGAGAGGACCCCTGCTGACCTGGAGTT
 CTCCCGCCTGCGTTTCCGGGAATTTGTCTACCAGGAGGCTGCCGGGCCACCAGACCCTGGCCCCGGCTG
 CATGAGCTGTGCCGCCAGTGGCTGATGCCTGAGGCGCGCTCCAAGGAGCAGATGCTGGAGCTGCTGGTGC
 TGGAGCAGTTCTGGGCATCCTGCCTGATAAGGTCGGCCCTGGTGGTGGCACAGTACCCTGAGAGCTG
 CAAGAAGGCAGCCTCCCTGGTGGAGGCCCTCGCTGATGTCCTGGAAGAGCCAGGGATGCTGCTGGGCTCC
 CCTGCGGGCTCATCCTCAATTCTTAGCGATGGAGTGTACGAGAGGCACATGGACCCTCTGCTGCTACCAG
 GCGAGCTCGGAGCCCCAGCCAGGCCCTGGAGCTGGGGAGATCCCGGCACCTTCTGAGACACCCTGGCT
 TTCTCCGACCCCTGTTTCTGGAACAGAGGAGGGTCAGAGAAGCAAAGACCGAAGAGGACGGCCCTGCC
 AACACCGAGCAGAAGCTGAAGTCTTTCCAGAGGACCCTCAGCACCTGGGGGAGTGGGGCCACCTGGACC
 CTGCCGAGGAGAACCTGAAGAGTACCAGGAGTCTCCTGTGGGGGATCAGCTTTCCAGCCTGACGC
 TGCTCCAGGCTGGACACTGAGGAACTCCGGTTGGTGGAAAGAGATCCACAAGGAAGCAGCCTCCAGAA
 GGCGGGAGGCGCAGGAGAGCGCTGGGTGCGCCTGCGAGGAGGCCCGCCCCGCGGGGGTGTCTGCTGAGC
 TGCTACGGAGGCGCCCCCTGGGACGCCCTTGCCGATCCCCGTGCGGCACCACTGAGGAGGAGGAAGA
 GCAGCCTGGGAAGGCCCGGACCCGACAGACCCAGGACCGGGAGTCCGACTCTGCCACCGGATCGCAG
 AGGCAGTCCGTCATCCAGCAGCTGCCCGGACAGGGGCACGGCGAAACTGGGAACCAAGAGGCCCGCACC
 CCGAGGATGGGGACGAGCAGAGCCTCGAGGGCGTCTTAGCTCCGGCAGCAGCGCAGGGCTGGAGGGCGG
 GCAGGGCCCTGGGGCTGACGAGCCGGGCTTGTCCCGCGGAAGCCCTATGCTGCGGCGAGTGGCGGGAG
 GCCTTCGCGTGGCTCTCGCACCTGATGGAGCACACAGCAGCCATGGCGCCGGAAGCGCTACGCTGTG
 AGGGTGTGGAAGACCTTCCACTTCAGCCTGGCCCTAGCCGAGCACCAGAAGACCCACGAGAAGGAGAA
 AAGCTACGCGCTGGGGGGCGCCGGGGCCCCAACCGTCCACCCGGAAGCCAGCGGGGGCTAGGGCG
 GGCGGTCCCCAGAGAGCGTGGAGGGCAGGCTCCCCCGCACCCACAGAGGCGCAGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227637 representing NM_001145543
 Red=Cloning site Green=Tags(s)

MLPLEKAFASPRSSPAPPDLPTPGSAAGVQEEPETIPERTPADLEFSRLRFREFVYQEAAGPHQTLARL
 HELCRQWLMPARSKEQMLELLVLEQFLGILPDKVRPWVVAQYPESCKKAASLVEGLADVLEEPGMLLGS
 PAGSSSILSDGVYERHMDPLLLPGELASPSQALGAGEIPAPSETPWLSPDPLFLEQRRVREAKTEEDGPA
 NTEQKLSFPEDPQHLGEWGHLDPAEENLKSRYKLLWGYQLSQPDAASRLDTEELRLVERDPQGSLSPE
 GGRRQESAGCACEEAAPAGVLPPELPTAPPDALADPPSGTTEEEEEQPGKAPDPQDPQDAESDSATGSQ
 RQSVIQQPAPDRGTAKLGTKRHPEDGDEQSLEGVSSSGDSAGLEAGQGPGADEPGLSRGKPYACGECGE
 AFAWLSHLMHHSSHGGRKRYACQGCWKTFFHSLALAEHQKTHEKEKSYALGGARGPQPSTREAQAGARA
 GPPPEVEGEAPPAPPEAQR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

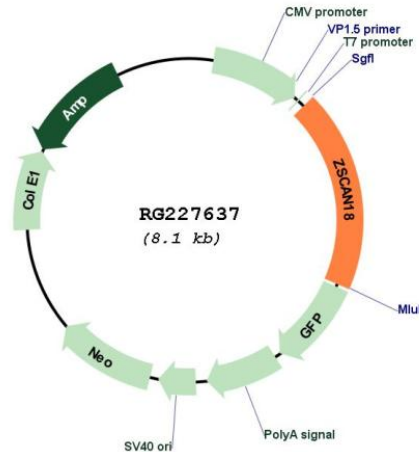


EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---
 T R T R P L E M E S D - - -

 PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
 - - E E R V Stop

Plasmid Map:



ACCN: NM_001145543

ORF Size: 1530 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_001145543.1](#), [NP_001139015.1](#)

RefSeq Size: 2716 bp

RefSeq ORF: 1533 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]