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Product datasheet for RC227637

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:	Myc-DDK
Symbol:	ZNF447
Synonyms:	ZNF447
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC227637 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGCCTTTGGAGAAGGCGTTTGCCTCCCCCAGGAGCTCCCCAGCCCCGCCGGATCTGCCCACGCCGG
GGTCAGCAGCCGGAGTCCAGCAGGAAGAACCCGAGACCATCCCTGAGAGGACCCCTGCTGACCTGGAGTT
CTCCCGCCTGCGTTTCCGGGAATTTGTCTACCAGGAGGCTGCCGGGCCCCACCAGACCCTGGCCCGGCTG
CATGAGCTGTGCCGCCAGTGGCTGATGCCTGAGGCGCGCTCCAAGGAGCAGATGCTGGAGCTGCTGGTGC
TGGAGCAGTTCCTGGGCATCCTGCCTGATAAGGTCCGGCCCTGGGTGGTGGCACAGTACCCTGAGAGCTG
CAAGAAGGCAGCCTCCCTGGTGGAGGGCCTCGCTGATGTCCTGGAAGAGCCAGGGATGCTGCTGGGCTCC
CCTGCGGGCTCATCCTCAATTCTTAGCGATGGAGTGTACGAGAGGCACATGGACCCTCTGCTGCTACCAG
GCGAGCTCGCGAGCCCCAGCCAGGCCCTTGGAGCTGGGGAGATCCCGGCACCTTCTGAGACACCCTGGCT
TTCTCCGGACCCCCTGTTTCTGGAACAGAGGAGGGTCAGAGAAGCAAAGACCGAAGAGGACGGCCCTGCC
AACACCGAGCAGAAGCTGAAGTCCTTTCCAGAGGACCCTCAGCACCTGGGGGAGTGGGGCCACCTGGACC
CTGCCGAGGAGAACCTGAAGAGCTACCGGAAGCTGCTCCTGTGGGGGTATCAGCTTTCCCAGCCTGACGC
TGCCTCCAGGCTGGACACTGAGGAACTCCGGTTGGTGGAAAGAGATCCACAAGGAAGCAGCCTCCCAGAA
GGCGGGAGGCGGCAGGAGAGCGCTGGGTGCGCCTGCGAGGAGGCCGCCCCCGCGGGGGTGCTGCCTGAGC
TGCCTACGGAGGCGCCCCCTGGGGACGCCCTTGCCGATCCCCCGTCGGGCACCACTGAGGAGGAGGAAGA
GCAGCCTGGGAAGGCCCCGGACCCGCAGGACCCCCAGGACGCGGAGTCCGACTCTGCCACCGGATCGCAG
AGGCAGTCCGTCATCCAGCAGCCTGCCCCGGACAGGGGCACGGCGAAACTGGGAACCAAGAGGCCGCACC
CCGAGGATGGGGACGAGCAGAGCCTCGAGGGCGTCTCTAGCTCCGGCGACAGCGCAGGGCTGGAGGCCGG
GCAGGGCCCTGGGGCTGACGAGCCGGGCTTGTCCCGCGGGAAGCCCTATGCCTGCGGCGAGTGCGGGGAG
GCCTTCGCGTGGCTCTCGCACCTGATGGAGCACCACAGCAGCCATGGCGGCCGGAAGCGCTACGCCTGTC
AGGGCTGCTGGAAGACCTTCCACTTCAGCCTGGCCCTAGCCGAGCACCAGAAGACCCACGAGAAGGAGAA
AAGCTACGCGCTGGGGGGCGCCCGGGGCCCCCAACCGTCCACCCGCGAAGCCCAGGCGGGGGCTAGGGCG
GGCGGTCCCCCAGAGAGCGTGGAGGGCGAGGCTCCCCCCGCACCCCCAGAGGCGCAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227637 protein sequence
Red=Cloning site Green=Tags(s)

MLPLEKAFASPRSSPAPPDLPTPGSAAGVQQEEPETIPERTPADLEFSRLRFREFVYQEAAGPHQTLARL
HELCRQWLMPEARSKEQMLELLVLEQFLGILPDKVRPWVVAQYPESCKKAASLVEGLADVLEEPGMLLGS
PAGSSSILSDGVYERHMDPLLLPGELASPSQALGAGEIPAPSETPWLSPDPLFLEQRRVREAKTEEDGPA
NTEQKLKSFPEDPQHLGEWGHLDPAEENLKSYRKLLLWGYQLSQPDAASRLDTEELRLVERDPQGSSLPE
GGRRQESAGCACEEAAPAGVLPELPTEAPPGDALADPPSGTTEEEEEQPGKAPDPQDPQDAESDSATGSQ
RQSVIQQPAPDRGTAKLGTKRPHPEDGDEQSLEGVSSSGDSAGLEAGQGPGADEPGLSRGKPYACGECGE
AFAWLSHLMEHHSSHGGRKRYACQGCWKTFHFSLALAEHQKTHEKEKSYALGGARGPQPSTREAQAGARA
GGPPESVEGEAPPAPPEAQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6176_c06.zip

Restriction Sites: SgfI-MluI

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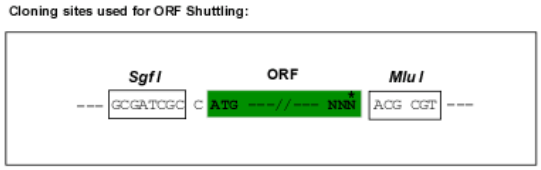
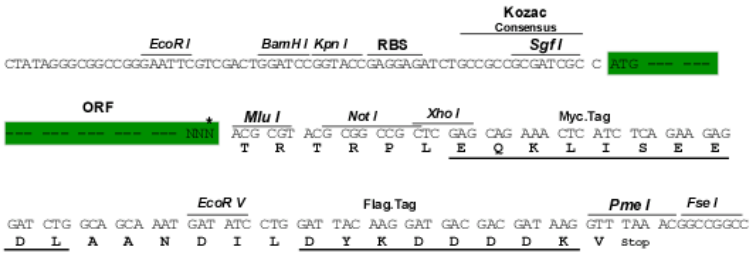
Cloning Scheme:





* The last codon before the Stop codon of the ORF

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001145543.1, NP_001139015.1

RefSeq Size: 2716 bp

RefSeq ORF: 1533 bp

Locus ID: 65982

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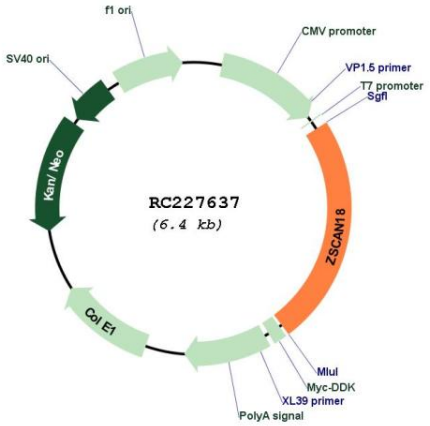
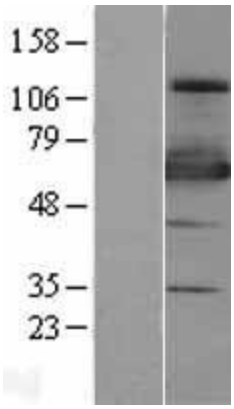
UniProt ID:	Q8TBC5
Cytogenetics:	19q13.43
Protein Families:	Transcription Factors
MW:	54.9 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227637



Western blot validation of overexpression lysate (Cat# [LY428934]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227637 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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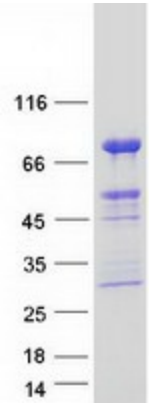

Coomassie blue staining of purified ZSCAN18 protein (Cat# [TP327637]). The protein was produced from HEK293T cells transfected with ZSCAN18 cDNA clone (Cat# RC227637) using MegaTran 2.0 (Cat# [TT210002]).

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