

Product datasheet for **RC202882**

ZNF136 (NM_003437) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF136 (NM_003437) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF136
Synonyms:	pHZ-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC202882 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTCGGTGGCTTTTGAGGATGTAGATGTGAACCTCACCCAGGAGGAGTGGCTTTGCTAGATCCTT
 CCCAGAAGAATCTCTACAGAGATGTGATGTGGAAACCATGAGGAATCTGGCCTCTATAGGGAAAAAATG
 GAAGGACCAGAACATTAAGATCACTACAAACCCGAGGAGAAATCTAAGAAGTCATATGTTAGAAAGA
 CTCTATCAAATAAGGATGGTAGTCAGCGTGGAGGAATTTTAGCCAGTTTGCAAATCAGAATCTGAGCA
 AGAAAAACCTGGAGTGAACCTCTGTGAAAGCATTGTATATGGAGAAGTCAGCATGGGTCAGTCATCCCT
 TAATAGACACATCAAAGATCACAGTGGACATGAACCAAAGGAATATCAGGAATATGGAGAGAAGCCAGAT
 ACACGTAACCAGTGTGGAAACCTTCAGTTCTCACCCTCTTCGAACACATGAGATAATTCACACTG
 GAGAGAACTCTATGATTGTAAGGAATGTGGAAAAACCTTCTTTCTCTCAAAGAATTAGAAGACACAT
 CATCACACACAGTGGATATACCATATAAATGTAAGGTGTGGGAAAGCTTTTGATTATCCAGTAGA
 TTTGGAACACATGAAAGAAGTCACACTGGAGAGAAACCTATGAATGTCAGGAATGTGGAAAAGCCTTCA
 CTTGTATCACAAGTGTTCGAAGACACATGATAAAGCACACTGGAGATGGACCTTATAAATGTAAGGTATG
 TGGGAAACCTTTTATTCTCTGAGTTCATTTCAAGTGCATGAAAGAATTCACACTGGAGAAAAACCTTT
 AAATGTAAGCAATGTGGTAAAGCCTTCAGTTGTTCCCAACCTTACGAATACATGAAAGAACCATACTG
 GAGAGAAACCTTATGAATGCAAGCAGTGTGGGAAGGCCTTCAGTTATCTCCCTCCCTTCGACTACATGA
 AAGAATTCACACTGGTGAGAAACCTTCGATGTAAACAATGTGGTAAAGCCTTTAGATCTGCCAGTACC
 TTTCAAATACATGAAAGGACTCACACTGGAGAAAAACCTTATGAATGTAAGGAATGTGGGAAAGCATTCA
 GTTGTATCCCAAGTATGCGAAGACACATGATAAAACATACTGGAGAAGGACCTTATAAATGTAAGGTATG
 TGGGAAACCTTTTATTCTCTGAGTCCATTTGCAATACATGAAAGAACTCACACTGGAGAGAAACCTTAT
 GTATGTAACATTGTGGTAAAGCCTTTCGTTTCTCAACATCAATTGCAATACATGAAAGAACTCATACTG
 GAGAGAAACCTATGAGTGTAAAGCAATGTGGGAAAGCCTTCAGTTATCTCAACTCCTTTCGAACACATGA
 AATGATTCACACTGGTGAGAAACCTTTGAATGTAAGCGATGTGGTAAAGCCTTTAGATCTTCTAGTTCC
 TTTGACTACATGAAAGGACTCACACTGGACAGAAACCTATCATTGCAAGGAATGTGGGAAAGCCTATT
 CTTGCCGTGCCAGCTTTCAGAGACACATGTTAACACATGCTGAAGATGGACCACCTTATAAATGCATGTG
 GAAAGCCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202882 protein sequence
 Red=Cloning site Green=Tags(s)

MDSVAFEDVDVNFQTQEEWALLDPSQKNLYRDVMWETMRNLASIGKKWKDQNIKDHYKHRGRNLRSHMLER
 LYQTKDGSQRGGIFSQFANQNL SKKIPGVKLCE SIVYGEVSMGQSSLNRHIKDHSGHEPKEYQEYGEKPD
 TRNQCWKPFSSHHSFRTHEI IHTGEKLYDCKEKGKTFSLKRIRRHII THSGYTPYKCKVCGKAFDYP
 SRFRTHERSHTGEKPYEQECGKAF TCITSVRRHMIKHTGDGPYKCKVCGKPFHSLSSFQVHERIHTGEKPF
 KCKQCGKAFSCSPTLRIHERHTHTGEKPYECKQCGKAFSYLPSLRLHERIHTGEKPFVCKQCGKAFRSAST
 FQIHERHTHTGEKPYECKEGEAF SCIPSMRRHMIKHTGEGPYKCKVCGKPFHSLSPFRIHERHTHTGEKPY
 VCKHCGKAFVSSTIRIHERHTHTGEKPYECKQCGKAFSYLNSFRTHEMIHTGEKPFECKRCGKAFRSSSS
 FRLHERHTHTGQKPYHCKEKGKAYSCRASFQRHMLTHAEDGPPYKCMWESL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6674_d12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003437

ORF Size: 1620 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_003437.5](#)

RefSeq Size: 3035 bp

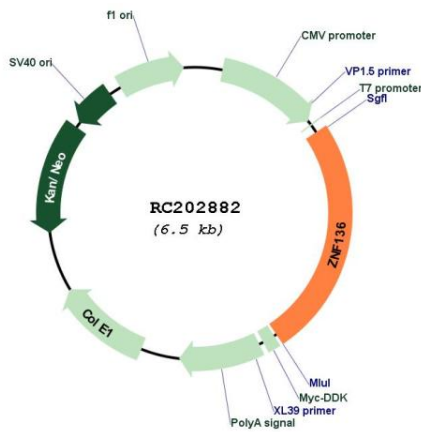
RefSeq ORF: 1623 bp

Locus ID: 7695

UniProt ID: [P52737](#)

Cytogenetics: 19p13.2
Domains: KRAB, zf-C2H2
Protein Families: Transcription Factors
MW: 62.8 kDa
Gene Summary: This gene encodes a zinc finger protein containing a Kruppel-associated box (KRAB) A-box domain at its N-terminus, followed by fourteen contiguous C2H2 zinc finger domains and a degenerate zinc finger. The KRAB A-box showed weak transcriptional repressor activity in a reporter gene assay. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RC202882