

Product datasheet for **RC208168**

ZNF436 (NM_001077195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF436 (NM_001077195) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF436
Synonyms:	Zfp46; ZNF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC208168 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCAGCCACCCTGCTCATGGCTGGGTCCCAGGCACCTGTGACGTTTGAAGATATGGCCATGTATCTCA
 CCCGGGAAGAATGGAGACCTCTGGACGCTGCACAGAGGGACCTTTACCGGATGTTATGCAGGAGAATTA
 TGGAAATGTTGTCTCACTAGATTTTGAATCAGGAGTGAGAACGAGGTAAATCCCAAGCAAGAGATTAGT
 GAAGATGTACAATTTGGGACTACATCTGAAAGACCTGCTGAGAATGCTGAGGAAAATCCTGAAAGTGAAG
 AGGGCTTTGAAAGCGGAGATAGGTGAGAAAGACATGGGGAGATTTAACAGCAGAAGAGTGGGTAAGCTA
 TCCTCTCCAACCACTGCTGATCTACTTGTCCACAAAGAAGTCCACACAGGCATCCGCTATCATATATGT
 TCTCATTGTGAAAGGCCTTCAGTCAGATCTCAGACCTTAATCGACATCAGAAGACCCACACTGGAGACA
 GACCCTATAAATGTTATGAATGTGGAAGGCTTCAGTCGCAGCTCACACCTTATTCAGCATCAAAGAAC
 ACATACTGGGAGAGGCCTTATGACTGTAAAGAGTGTGGGAAAAGTTTGAAGAAGTTCTCACCTGATT
 CAGCATCAGACAATCCACACTGGAGAGAAGCCTCACAAATGTAATGAGTGTGGAAGAAAGTTCTGCCGTC
 TCTCTACCTAATCCAACACCAAGGACCCACAGTGGTGAGAAACCTATGAGTGTGAGGAGTGTGGGAA
 AAGCTTCAGCCGAGCTCTCACCTAGCTCAGCACCAGAGGACCCACACGGGTGAGAAACCTATGAATGT
 AACGAATGTGGCCGAGGCTTCAGTGAGAGATCTGATCTCATCAACACTATCGAGTCCACACAGGGGAGA
 GGCCCTACAAGTGTGATGAGTGTGGGAAGAACTTCAGTCAGAATCCGACCTTGTGCGTCATCGCAGAGC
 CCACACGGGAGAGAAGCCATACCACTGTAAAGTGTGGGAAAATTTAGCCGCATCTCACACTTGGTT
 CAGCACCAGAGAACTCACACTGGAGAGAAGCCATATGAATGCAATGCTTGTGGGAAAAGCTTCAGCCGGA
 GCTCTCATCTCATCACACACAGAAAATTCACACTGGAGAGAAGCCTTATGAGTGAATGAGTGTGGCG
 AAGCTTTGGTGAAAGGTCAGATCTAATTAACATCAGAGAACCACACAGGGGAGAAGCCCTACGAGTGT
 GTGCAAGTGTGGGAAAGGTTTACCCAGAGCTCCAACTCATCACATCAAAGAGTTACACGGGAGAGA
 AACCTTATGAATGTACGAATGTGAGAAGAGTTTACGAGGAGCTCAGCTCTTATTAACATAAGAGAGT
 TCATACGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208168 protein sequence
 Red=Cloning site Green=Tags(s)

MAATLLMAGSQAPVTFEDMAMYL TREWRPLDAAQRDL YRDVMQENYGNVSLDFEIRSENEVNPQKEIS
 EDVQFGTTSERPAENAEENPESEEGFESGDRSERQWDLTAEWVSYPLOPVTDLLVHKEVHTGIRYHIC
 SHCGAFSQISDLNRHQKTHGDRPYKCYECGKFSRSSHLIQHQRTHGERPYDCNECGKSFGRSSHLI
 QHQTIIHTGEKPHKCNECGKSFCLSHLIQHQRTHSGEKPYECECGKFSRSSHLAQHQRTHTEKPYEC
 NECGRGFSERSDLIKHYRVHTGERPYKDECGKNFSQNSDLVRHRAHTGEKPYHCNECGENFSRISHLV
 QHQRTHTEKPYECNACGKFSRSSHLITHQKIHTGEKPYECNECWRSFGERSDLIKHQRTHTEKPYEC
 VQCGKGTQSSNLITHQRVHTGEKPYECTECSFSRSSALIKHKRVHTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6528_a05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001077195

ORF Size: 1410 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_001077195.1](#), [NP_001070663.1](#)

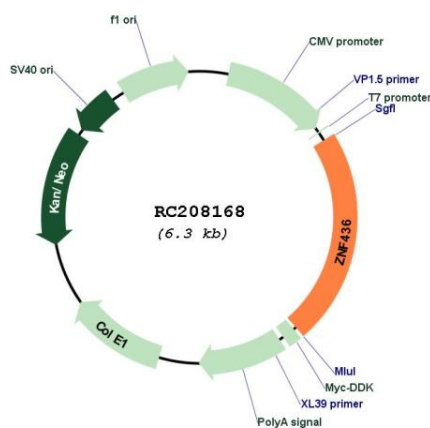
RefSeq Size: 4493 bp

RefSeq ORF: 1413 bp

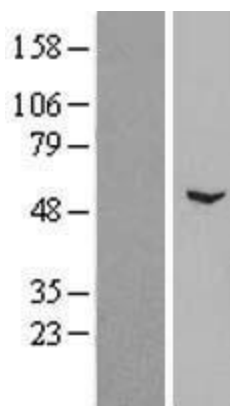
Locus ID: 80818

UniProt ID: Q9C0F3
Cytogenetics: 1p36.12
Protein Families: Transcription Factors
MW: 54.3 kDa
Gene Summary: May be a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208168



Western blot validation of overexpression lysate (Cat# [LY410758]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC214053] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).