

Product datasheet for **RC222413**

ZNF146 (NM_007145) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF146 (NM_007145) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF146
Synonyms:	OZF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222413 representing NM_007145 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCACACCTCAGCCAGCAGAAAATTTACAGTGGGAAAACCCCTTGCCTGTAAGGTATGTGAAAAAG
TCTTCAGCCACAAATCAAACCTCACTGAGCATGAGCATTTTCACACGAGAGAGAAACCTTTGAATGTAA
CGAGTGTGAAAAGCCTTTAGCCAAAAGCAGTATGTCATTAAACATCAGAACACCCATACTGGCGAGAAG
CTTTTCGAATGTAATGAATGTGAAAATCATTTAGCCAGAAGGAAAACCTCCTTACGCACCAGAAAATTC
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ACACCAGAGAACTCACACAGGAGAGAAGCCCTTTGTATGTAAGGAGTGTGAAAAACCTTCAGTGGCAAA
TCCAACCTTACTGAGCATGAGAAAATCCATATTGGAGAGAAGCCTTTAAATGTAGTGAATGTGGAACAG
CCTTTGGCCAGAAGAAGTACCTCATAAAACATCAGAACATTACACTGGAGAGAAACCTATGAATGTAA
CGAATGTGAAAAGCCTTCTCTCAGCGAACATCACTTATTGTACATGTGAGGATTCATTACAGGTGATAAA
CCTTACGAATGCAATGTTTGTGAAAAGCCTTCTCTCAGAGCTCATCTCTCACTGTGCATGTGAGAAGCC
ATACAGGGGAGAAGCCCTATGTTGTGAATGAATGTGGAAAGCTTCTCTCAGTTCTCAACCTTGCTCT
GCATTTGAGAATACACACAGGTAAGAAGCCTTATCAGTGCAGTGAATGTGGAAAGCTTTCAGCCAGAAG
TCACACCACATTAGACACCAGAAAATTCATACTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC222413 representing NM_007145
 Red=Cloning site Green=Tags(s)

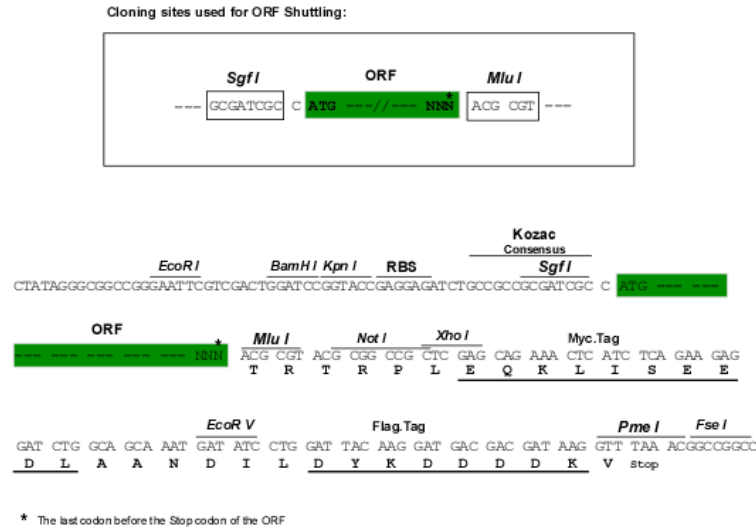
MSHLSQQKIYSGENPFACKVCGKVF SHKSNL TEHEHFHTREKPFECNECGKAFS QKQYVIKHQNTHTGEK
 LFECNECGKSF S QKENLL THQIHTGEKPFECDCGKAF IQKSNL IRHQRTHTGEKPFVCKEKGKTFSGK
 SNL TEHEKIHIGEKPFKCECGTAFGQKKYL IKHQNIHTGEKPYECNECGKAFS QRTSLIVHVRHSGDK
 PYECNVCGKAFS QSSSLTVHVSHTGEKPYGCNECGKAFS QFSTLALHLRIHTGKKPYQCSECGKAFS QK
 SHHIRHQKIHTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4070_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007145

ORF Size: 876 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_007145.1](#), [NP_009076.1](#)

RefSeq Size: 3186 bp

RefSeq ORF: 879 bp

Locus ID: 7705

UniProt ID: [Q15072](#)

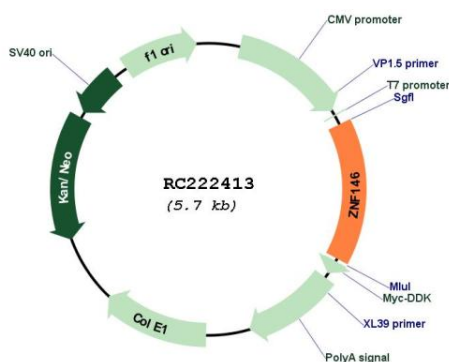
Cytogenetics: 19q13.12

Domains: zf-C2H2

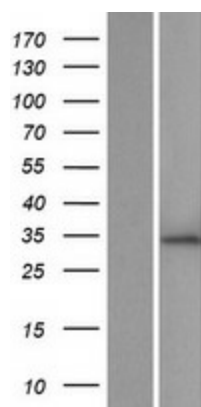
Protein Families: Transcription Factors

MW: 33.1 kDa

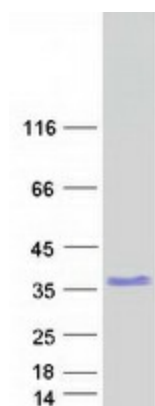
Product images:



Circular map for RC222413



Western blot validation of overexpression lysate (Cat# [LY416151]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222413 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZNF146 protein (Cat# [TP322413]). The protein was produced from HEK293T cells transfected with ZNF146 cDNA clone (Cat# RC222413) using MegaTran 2.0 (Cat# [TT210002]).