

Product datasheet for **RC226506**

ZNF90 (NM_007138) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF90 (NM_007138) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF90
Synonyms:	HTF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226506 ORF sequence, **codon optimized**.
Due to the complexity of NM_007138, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCCTGGAGTTTCGAGACGTTGCTATCGAATTCTCCCTGGAGGAGTGGCATTGTCTCGATACAG
 CCCAGCAAACCTGTATCGGGACGTGATGCTTGAAAATTACCGGCACCTGGTGTCTCGGAATTGTTGT
 GACAAAACAGATTTGATCACATGCCTGGAACAGGGCAAGAAGCCGTTCCACCGTAAAAGACACGAAATG
 ATCGCGAAGTCTCCCGTCATGTGCTTTTCATTTCCGCCAGGATCTGTGTCCTGAACAGAGCCTTAAGGACA
 GTTTTCAAAGGTTATTGTTACTCGCTATGAAAAACGCGAGTACGGCAATTTGAACTGAAGAAGGGCTG
 CGAGTCCGTTGATGAGGGCAAGGTGCATAAGCGAGGGTACAATGGACTGAATCAGTGCCTTACCGCCACT
 CAGTCTAAAGTGTTCATGCGACACCTATGTCAAGGTGTCCCATATCTTCTCAAATAGCAACCGGCATA
 AAATAAGAGACACCGGAAAAAGCCATTTAAGTGCATTGAATGTGGGAAGGCCTTTAATCAAAGTTCTAC
 TCTCGCCACCCATAAGAAAAATCCATACCGGCGAGATCACTTGTAAAGTGGAGGAGTGCGGGAAGGCTTTC
 AACCGAAGCAGCCATCTGACAAGCCACAAAAGGATCCACACTGGCGAGAAGAGATACAAAATGTGAGGACT
 GCGGCAAGGAACCTCAAATACAGTAGCACCTGACCGCACACAAGAGGATTCACACTGGCGAGAAGCGGTA
 TAAGTGCGAAGATTGCGGCAAAGAATCAAATATTCAAGCACTTGACCGCACACAAGAGAATCCACAG
 GGGGAAAAAGCCGTATAAGTGTGATAAGTGGGGCGGGCTTTTCATTTCCAGCTCCATTCTGTACGTGCATA
 AGATAAGTCACACAGAAGAAAAGCCATACAAGTGCGAAGAATGCGGCAAAGCATTAAACTGTCTTCAAT
 ACTGTCCACACATAAGCGGATCCACACAGGAGAAAAGCCTTACAAGTGTGAGGAGTGCGGGAAGGCATTT
 AGGAGATCTCTCGTGCTCCGGACACACAAACGCATACACACCGGAGAGAAAACCGTATAAGTGTGACAAGT
 GTGGCAAAGCATTATCTCAAGTAGCCTTCTGTATAAGCATAAGATTAGCCACTCTGAGAAGAAGCCTTA
 CAAGTGCAGGAATGTGGAAAGGCCTTTAAACGAAGCAGTACTTTGACCATACATAAAATCAGCCACACG
 GAAGAGAAACCTTATAAATGCCAGGAGTGTGATAAAGTTTTTAAGAGGAGCTCTGCCCTGTCAACCATA
 AGATTATCCACAGCGGTGAAAAACCTACAAGTGCAGGAGTGTGAAAAGCTTTTAAACGCTCCTCTAA
 TCTCACCACCTACAAGATCTCCACACAGAGGAAAAGCTGTACAAGTGTCAAGAATGTGACAAGGCATTT
 AAGTATTTAGCGCACTGTCAACTCACAAAATCATCCACTCCGGGGAAAAACCCCTACAAGTGTGAGGAGT
 GTGGTAAAGCTTTCAAGCGAAGCAGCGTCTTTCTAAACACAAAATCATCCACACGGGCGCTAAACCCCTA
 TAAATGTGAGGAGTGCGGGAAGGCTTTCAAACGGTCTTCAAACTGACCTCACACAAGATTTCCCATACC
 GCGGAGAAGCCCTACAAGTGCGAAGAGTGTGAAAAGGCCTTCAACCTGTGCATCAGACCTGAACACTCACA
 AGAGGATCCATATCGGCCAGAAGCGTATATAGTTAAAAACATGGCCAATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226506 representing NM_007138
Red=Cloning site Green=Tags(s)

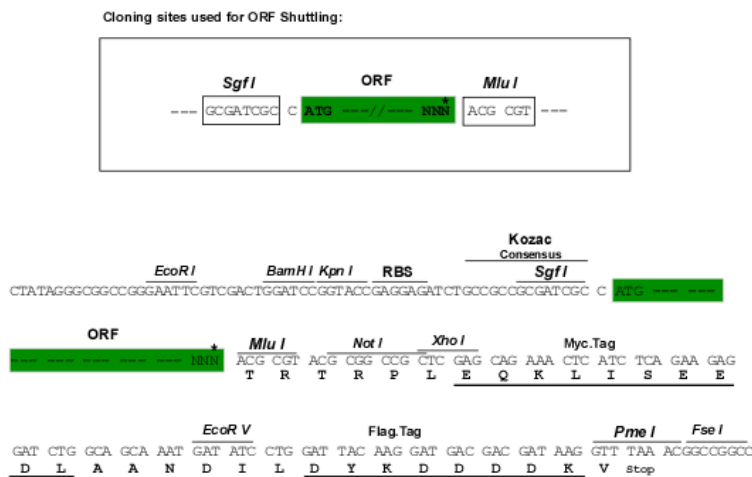
MGPLEFRDVAIEFSLSEWHCLDTAQQNL YRDVMLENYRHLVFLGIVVTKPDLITCLEQGKKPFTVKRHEM
 IAKSPVMCFHFAQDLCEPQSLKDSFQKVI VTRYEKREYGNLELKKGCESVDEGKVHVRGYNGLNQCLTAT
 QSKVFCQDITYVKVSHIFSNSNRHKIRD TGKPKFKIECGKAFNQSSTLATHKKIHTGEITCKCECGKAF
 NRSSHLTSHKRIHTGEKRYKCEDCGKELKYSSTLTAHKRIHTGEKRYKCEDCGKELKYSSTLTAHKRIHT
 GEKPYKCDKCGRAFISSSILYVHKI SHTEEKPYKCEECGKAFKLSLSTHKRIHTGEKPYKCEECGKAF
 RRSLVLRTHKRIHTGEKPYKCDKCGKAFISSSLLYKHKI SHSEKPYKCEECGKAFKRSSSTLTIHKISHT
 EEKPYKCEECGKAFKRSSALSTHKIIHSGEKPYKCEECGKAFKRSSNL TTHKISHTEEKLYKCECDKAF
 KYSSALSTHKIIHSGENPYKCEECGKAFKRSSVLSKHKI IHTGAKPYKCEECGKAFKRSSQLTSHKISHT
 GEKPYKCEECGKAFNLSDDL NTHKRIHIGQKAYIVKNMANL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_007138

ORF Size: 1803 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_007138.1](#), [NP_009069.1](#)

RefSeq Size: 3744 bp

RefSeq ORF: 1806 bp

Locus ID: 7643

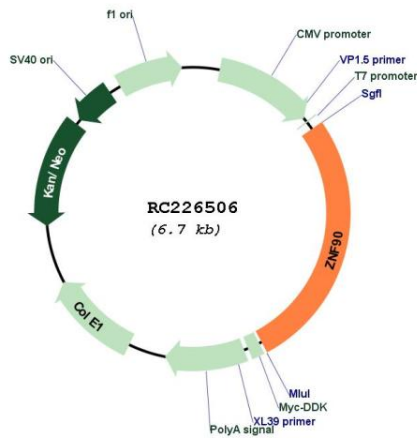
UniProt ID: [Q03938](#)

Cytogenetics: 19p12

MW: 69.1 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226506