

Product datasheet for **RC207860**

ZNF490 (NM_020714) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF490 (NM_020714) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF490
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC207860 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGCAGGAATTCAGTCTCAGTTCCAGATGGAGCGACCCCTCGAGGAGCAAGTCCAGAGCAAGTGGT
 CGTCTAGTCAAGGCCGCACAGGAACAGGAGGGTCTGATGTCCTCCAGATGCAGAACAGTGAACACCATGG
 ACAAAGCATCAAGACTCAAAGTACTCCATCTCCCTTGAGGATGTGGCTGTGAATTCACCTGGAGGAG
 TGGGCTTTGCTGGATCCTGGCCAGAGGAATATCTACAGAGATGTGATGCGGGCAACCTTCAAGAACCTGG
 CCTGTATAGGGGAAAAATGGAAGACCAGGATATTGAAGATGAACAAAAACCAGGGAAGAAATCTAAG
 AAGTCTATGTTGAAGCACTCTGTGAAAATAAAGAAGATTGTCCATGTGAAAAAGCACTAGCCAGATT
 CCTGATCTTAATACGAACCTGAAACTCCTACTGGATTAACCATGTGACTGCAGTGTGTGGGGAAG
 TCTTCATGCATCAGGTCTCCCTTAATAGGCACATGAGATCTCACACTGAACAGAAACCAATGAGTGTCA
 CGAATATGGAGAGAAGCCACATAAATGCAAAGAATGTGGGAAAACCTTCACTCGCAGCTCCAGTATTCGA
 ACCCATGAAAGAATTCACACTGGAGAGAAACCCTATGAATGTAAGGAATGTGGCAAAGCCTTCGCATTTT
 TCTTTTCTTTTCAAACCATATAAGAATTCATACTGGAGAGACACCCTATGAATGTAAGGAATGTGGGAA
 GGCATTGAGATATCTCACTGCTCTTCGGCGCCATGAAAAAATCACACTGGAGAGAAACCCTACAATGT
 AAACAGTGTGAAAGCCTTTATATATTACCAGCCTTTTCAACCATGAAAGGACTCACACTGGAGAGA
 AACCTTATGAATGTAAGCAATGTGGGAAAGCCTTCAAGTGTCCCACGTAACGAGTACGAGGATCATGAGAAAAC
 TCATACTGGAGAGAAACCTTTGTATGTAGGGAATGTGGGAGAGCCTTCTTTTCTCACTCAAGCCTTCGA
 AAACACGTGAAAACCCACACCGGAGTTCAACCTTATACATGTAAGAAATGTGGGGAAGCCTTCAAGTCA
 CTAGTTCTGTGAAGTGCACGAAAGAACTCATTTTGGAGAAAAACCTATGAATGTAACAATGTGGTAA
 AGCCTTCAATTCTTCAAGTTACCTTCAAGTTGACGAAAGAGTTCACACTGGCGAGAAAAACTTACGAATGT
 AAAGAATGTGGTAAAGCCTTTCTTTATTCCACTCACTTTCGAATCCATGAAAGAACCATACTAGAGAGA
 AACCTATGAATGCAAACAGTGTGGTGGGCTTTCATTTACTTCACTCACCTTCGAAGGCACGAAAGAAG
 TCACACTGGAGTAAACCATGTGAGTGTAAAGCAGTGTGGCAAAGCTTTCCTTGTAAATTCCTGAAA
 GTACACAAAAGAATTCATACTGGAGAAAGACCCTTTCAGTGTAGACAATGTGGTAAAGCCTTCAAGTACT
 CAAAGTCTTGCACGTGCACGAAAGGACTCATAGTAGACAGAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207860 protein sequence
 Red=Cloning site Green=Tags(s)

MRRNSSLFQMERPLEEQVQSKWSSSQGRGTGGSDVLMQNSEHHGQSIKTQTDISLEDVAVNFTLEE
 WALLDPGQRNIYRDVMRATFKNLACIGEKWKDQDIEDEHKNQGRNLRSPMVEALCENKEDCPCGKSTSQI
 PDLNNTLETPGLKPCDCSVCGEVFMHQVSLNRHMRSHTEQKPNECHEYGEKPHKCKEKGKTFTRSSSIR
 THERIHTGEKPYECKEKGKAFALFLSFRNHIRIHTGETPYECKEKGKAFRYLTALRRHEKNHTGEKPYKC
 KQCGKAFIYYQPFLTHERHTGEKPYECKQCGKAFSCPTYLRSHEKHTHTGEKPFVCRECGRAFFSHSSLR
 KHVKHTGQVPYTCKKCGEAFKSSSSCEVHERTHFGEKPYECKQCGKAFNSSSYLQLHERVHTGEKTYEC
 KECGKAFLYSTHFRIHERHTREKPYECKQCGRVFIYFSLRRHERSHTGVKPECKQCGKAFKFTCLNSLK
 VHKRIHTGERPFQCRQCGKAFYSKSLHVHERTHSRQPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6337_h06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_020714

ORF Size: 1587 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_020714.1](#), [NP_065765.1](#)

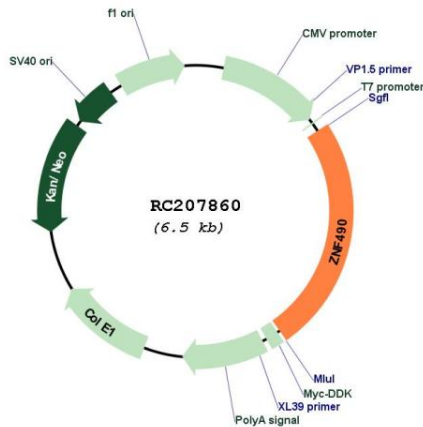
RefSeq Size: 6098 bp

RefSeq ORF: 1590 bp

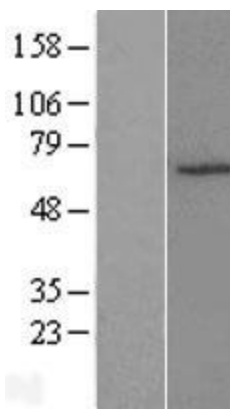
Locus ID: 57474

UniProt ID: [Q9ULM2](#)

Cytogenetics: 19p13.2-p13.13
Protein Families: Transcription Factors
MW: 61.3 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC207860



Western blot validation of overexpression lysate (Cat# [LY412344]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207860 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).