

Product datasheet for **RG207860**

ZNF490 (NM_020714) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF490 (NM_020714) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF490
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207860 representing NM_020714
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGCAGGAATTCAGTCTCAGTTCCAGATGGAGCGACCCCTCGAGGAGCAAGTCCAGAGCAAGTGGT
 CGTCTAGTCAAGGCCGCACAGGAACAGGAGGGTCTGATGTCCTCCAGATGCAGAACAGTGAACACCATGG
 ACAAAGCATCAAGACTCAAAGTACTCCATCTCCCTTGAGGATGTGGCTGTGAATTCACCCCTGGAGGAG
 TGGGCTTTGCTGGATCCTGGCCAGAGGAATATCTACAGAGATGTGATGCGGGCAACCTTCAAGAACCTGG
 CCTGTATAGGGGAAAAATGGAAAGACCAGGATATTGAAGATGAACAAAAACCAGGGAAGAAATCTAAG
 AAGTCCTATGGTTGAAGCACTCTGTGAAAATAAAGAAGATTGTCCATGTGAAAAAGCACTAGCCAGATT
 CCTGATCTTAATACGAACCTGGAACTCCTACTGGATTAACCATGTGACTGCAGTGTGTGGGGAAG
 TCTTCATGCATCAGGTCTCCCTTAATAGGCACATGAGATCTCACACTGAACAGAAACCAATGAGTGTCA
 CGAATATGGAGAGAAGCCACATAAATGCAAAGAATGTGGGAAAACCTTCACTCGCAGCTCCAGTATTCGA
 ACCCATGAAAGAATTCACACTGGAGAGAAACCCTATGAATGTAAGGAATGTGGCAAAGCCTTCGCATTTTC
 TCTTTTCTTTTCAAACCATATAAGAATTCATACTGGAGAGACACCCCTATGAATGTAAGGAATGTGGGAA
 GGCATTGAGATATCTCACTGCTCTTCGGCGCCATGAAAAAATCACACTGGAGAGAAACCCTACAATGT
 AAACAGTGTGGAAAGCCTTTATATATTACCAGCCTTTTCAACCCATGAAAGGACTCACACTGGAGAGA
 AACCTTATGAATGTAAGCAATGTGGGAAAGCCTTCAGTTGTCCCACGTAACCGGAGTCAAGGAGAAAC
 TCATACTGGAGAGAAACCTTTTGTATGTAGGGAATGTGGGAGAGCCTTCTTTTCTCACTCAAGCCTTCGA
 AAACACGTGAAAACCCACACCGGAGTTCACCTTATACATGTAAGAAATGTGGGGAAGCCTTCAAGTCA
 CTAGTTCCCTGTGAAGTGCACGAAAGAACTCATTTTGGAGAAAAACCCATGAAATGTAACCAATGTGGTAA
 AGCCTTCAATTTCAAGTTACCTTCAGTTGACGAAAGAGTTCACACTGGCGAGAAAACTTACGAATGT
 AAAGAATGTGGTAAAGCCTTTCTTTATTCCACTCACTTTCGAATCCATGAAAGAACCATACTAGAGAGA
 AACCCATGAAATGCAAACAGTGTGGTGGGCTTCATTTACTTCACTCACCTTCGAAGGCACGAAAGAAG
 TCACACTGGAGTAAACCATGTGAGTGTAAAGCAGTGTGGCAAAGCTTTCCTTGTAAATTCCTGAAA
 GTACACAAAAGAATTCATACTGGAGAAAGACCCTTTCAGTGTAGACAATGTGGTAAAGCCTTCAGTTACT
 CAAAGTCTTGCACGTGCACGAAAGGACTCATAGTAGACAGAAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207860 representing NM_020714
 Red=Cloning site Green=Tags(s)

MRRNSSLFQMERPLEEQVQSKWSSSQGRGTGGSDVLMQNSEHHGQSIKTQTDISLEDVAVNFTLEE
 WALLDPGQRNIYRDVMRATFKNLACIGEKWKDQDIEDEHKNQGRNLRSPMVEALCENKEDCPCGKSTSQI
 PDLNNTLETPGLKPCDCSVCGEVFMHQVSLNRHMRSHTEQKPNECHEYGKPKCKEKGKFTFRSSSIR
 THERIHTGEKPYECKEKGKAFALFVFRNHIRIHTGETPYECKEKGKAFRYLTALRRHEKNHTGEKPYKC
 KQCGKAFIYYQPFLTHERHTGEKPYECKQCGKAFSCPTYLRSHEKTHTEKPFVCRECGRAFFSHSSLR
 KHVKTHTVQPYTCKKCGEAFKSSSSCEVHERTHFGEKPYECKQCGKAFNSSSYLQLHERVHTGEKTYEC
 KECGKAFLYSTHFRIHERHTREKPYECKQCGRVFIYFSLRRHERSHTGVKPECKQCGKAFKFTCLNSLK
 VHKRIHTGERPFQCRQCGKAFYSKSLHVHERTHSRQPK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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: 6372 bp

RefSeq ORF: 1590 bp

Locus ID: 57474

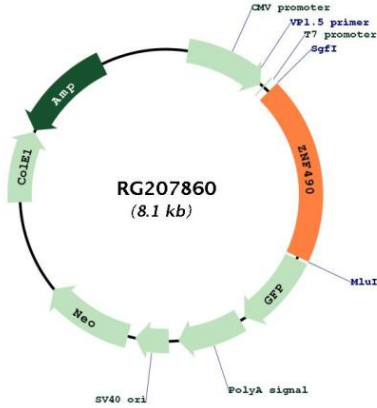
UniProt ID: [Q9ULM2](#)

Cytogenetics: 19p13.2-p13.13

Protein Families: Transcription Factors

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

Product images:



Circular map for RG207860