

Product datasheet for **RG212050**

ZNF492 (NM_020855) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF492
Synonyms:	ZNF115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG212050 ORF sequence, **codon optimized**.
Due to the complexity of NM_020855, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCGAGAACTACCGAATCTTGCTTCGTGGGCATCGCCGCGAGCAAGCCTGACTTGATCACCTGCT
TGGAACAGGGGAAAGAGCCCTGGAATGTTAAGCGCCACGAAATGGTAGCCGAGCCCCGGTGGTGTGCAG
TTATTTTGGCAGGATCTCTGGCCTAAGCAGGGCAAAAAGAATTATTTTCAAAAAGTGATCTTGCGGAGA
TATAAAGAGTGTGGATGTGAGAACCTCCAACGCGGAAGTATTGCAAAAGCATGGACGAATGTAAGTCC
ACAAGGAATGTTATAACGGGCTTAATCAGTGCCTGACCACCACCCAAAAACAAAATTTTTCAGTGTGACAA
ATACGTGAAAGTGTTCACAAGTTTAGCAACTCAAATCGGCACACTATCCGACATACAGGAAAAAAGTCC
TTTAAGTGTAAGGAGTGTGAGAAGAGTTTCTGCATGCTTTCCCACTTGGCTCAGCACAAAGCGGATCCATT
CTGGAGAGAAGCCTTACAAGTGTAAAGATGCGGAAAAGCATATAATGAGACGTCAAATCTGTCAACACA
TAAACGGATTATACCGGCAAAAAGCCGTATAAATGCGAAGAATGTGGTAAAGCTTTTAAACAGGCTGAGT
CACCTGACGACACATAAAATTATTCATACTGGCAAGAAGCCTTACAAATGCGAGGAGTGTGGCAAGGCTT
TCAACCACTGTGCAATCTCACCACCACAAAGCAATTATACGGGAGAAAAGCCCTATAAGTGTGAGGA
GTGTGGCAGAGCATTTTACAGTCTAGCACCTGACCGCCCAAAAATTATCCACGAGGGGAAAAGCCA
TACAAATGCGAGGAATGCGGAAAAGCCTTAGCCAGAGCTCTACACTGACTACCCATAAAATTATACACA
CCGGTGAGAAGTCTATAAGTGTGAGGAATGTGGGAAAGCTTTCTCCAGCTGTCCCATCTGACCACTCA
TAAGAGGATCCATAGCGGGGAAAAACCTTATAAGTGCGAAGAATGCGGCAAGCGTTCAAACAGAGTTCC
ACCCTGACAACCTACAAGCGCATACACGCGGGTGAGAAATTTTATAATGTGAGGTGTGTAGTAAGGCTT
TCAGCCGATTACGCCACCTGACAACCCATAAAAAGATCCATACCGGCGAAAAGCCCTATAAGTGTGAGGA
ATGTGGTAAAGCCTTCAACCTGTCTCCAGCTTACCACTCATAAGATAATTACACAGGAGAGAAGCCA
TACAAGTGTGAGGAATGTGGTAAAGCCTTCAACAGAGCAGCACCTTGTCCAAACACAAGGTGATTCTATA
CTGGCGAAAAGCCATACAAGTATGAGGAGTGGGCAAGGCGTTTAAATCAGTCTAGTCACCTGACCACACA
CAAAATGATCCCACTGGAGAGAAAACCTACAAGTGGAGGAGTGGGAAAGGCGTTTAAATACTCCAGC
ATCCTGAATCGGCACAAGATGATCCACACGGGGAGAACTGTACAAACAGAAAGCTGCAATAATGCTT
GTGATAATATAGCCAAGATCTCCAATACAAGCGGAATTGCGCTGGAGAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

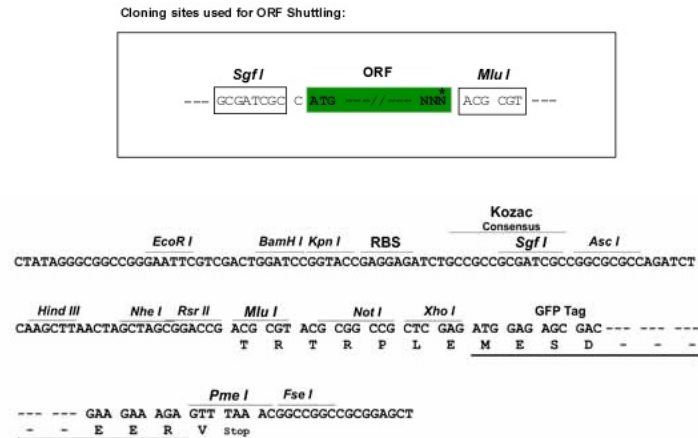
Protein Sequence: >RG212050 representing NM_020855
Red=Cloning site Green=Tags(s)

MLENYRNLVFGIAASKPDLITCLEQGKEPWNVVRHEMVAEPPVVCYSYFARDLWPKQGKKNYFQKVILRR
YKCKGCENLQLRKYCKSMDECKVHKECYNGLNQCLTTTQNKIFQCDKYVKVFHFKSNSNRHTIRHTGKKS
FKCKEKEKSFCLMLSLAQHKRIHSGEKPYKCKECKAYNETSNLSTHKRIHTGKKPYKCEECGKAFNRLS
HLTTHKIIHTGKKPYKCEECGKAFNQSANLTTHKRIHTGEKPYKCEECGRAFSQSSTLTAHKIIHAGEKP
YKCEECGKAFQSSTLTTHKIIHTGEKPYKCEECGKAFSQLSHLTTHKRIHSGEKPYKCEECGKAFKQSS
TLTTHKRIHAGEKPYKCEVCSKAFSRFSLTTHKRIHTGEKPYKCEECGKAFNLSSQLTTHKIIHTGEKP
YKCEECGKAFNQSTLSKHKVIHTGEKPYKEECGKAFNQSSHLTTHKMIHTGEKPYKCEECGKAFNNSS
ILNRHKMIHTGEKLYKPESCNACDNIKISKYKRNCAKEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020855

ORF Size: 1593 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).

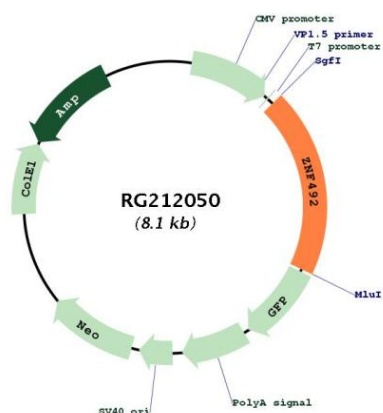
Reconstitution Method:

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_020855.1](#), [NP_065906.1](#)

RefSeq Size:	4246 bp
RefSeq ORF:	1596 bp
Locus ID:	57615
UniProt ID:	Q9P255
Cytogenetics:	19p12
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG212050