

Product datasheet for **RG207258**

ZNF92 (NM_007139) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF92 (NM_007139) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF92
Synonyms:	HEL-203; HPF12; HTF12; TF12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207258 ORF sequence, **codon optimized**.
Due to the complexity of NM_007139, 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**CGATCGCC**

ATGGTTGACAAGACCCAGTGATGTGCTCCCACTTCGCTCAGGACGTCTGGCCGAAACACAGCATTAAGG
 ACTCTTTTCAGAAAGTCATACTCAGAACCTACGGGAAGTACGGGCATGAAAATCTTCAGCTTCGAAAGA
 CCACAAGTCCGTGGATGCTTGAAGGTGTACAAGGCGGGTATAACGGGCTGAATCAGTGTTCGACTACA
 ACTGATCCAAGATTTTTCAGTGTGACAAATACGTTAAAGTGTTCATAAATCCCAACGTTAATCGCA
 ACAAGATCCGGCACACGGGGAAAAAACCATTCAAGTGTAAAGATCGCGGCAAAAAGCTTTTGCATGTTGTC
 ACAGCTCACTCAGCACAAAAAGATCCATACGCGAGAGTACAGTTACAAGTGTGAGGAATGTGGCAAGGCT
 TTTAACTGGTCTAGCACCTTGACTAAACATAAGATTATACACACCGGGGAAAAACCTATAAGTGTGAGG
 AATGCGGAAAGGCTTTTAAATCGCTCTAGTAACCTCACAAAACACAAGATCATACACACCGGGGAGAAACC
 ATACAAATGTGAAGAGTGTGGCAAGGCCTTTAACAGTCTCCACACTGACAAAGCATAAGCGGATTCAC
 ACTGAGGAGAAGCCTTACAAGTGCAGGAGTGCAGGCAAGGCTTTTAAACCAATTCTCTATCCTCAACAAAC
 ACAAAGGATCCATATGGAGGATAAACCTACAAATGTGAAGAGTGTGGCAAAGCGTTTCGCGCTTTTTC
 TATTCTGAAGAAACACAAAATCATCCACACCGGGGAAAAACCTATAAATGCGAAGAATGTGGCAAGGCA
 TTCAATCAGTTCAGTAACTTGACCAAACACAAGATCATTATACCGGGGAGAAAGCCATATAAGTGTGATG
 AATGCGGCAAGGCTTTCAACAGTCTAGCACGCTCACTAAGCATAAACGCATCCACACCGGCGAGAAGCC
 CTACAAATGCGAGGAGTGTGGCAAAGCTTTCAAGCAGTCCAGCACTCTGACCGAACATAAAATCATCCAC
 ACCGGGAGAAAAGCCTTATAAATGCGAAAAGTGCAGGCAAGGCGTTTTCTTGGTCTTCAGCGTTTACTAAAC
 ATAAAAGAAATCACATGGAAGACAAGCCATACAAGTGTGAAGAGTGCAGGAAAGCCTTTAGCGTCTTCTC
 TACCCTGACAAAACACAAGATCATCCACACGCGGAGAAGCCCTACAAATGCGAGGAGTGCAGGCAAAGCA
 TTTAATCAGTCTCTATCTTACAAAACACAAAATCATCCATACCGAAGGAAATCTTATAAATGTGAGA
 AGTGCAGCAATGCTTTCAACCAGAGCAGTAACTTGACTGCTAGGAAGATAATATACCGGAGAGAAACC
 GTACAAGTACGAAGAGTGTGATAAAGCATTCAACAAGTTTTCAACGCTGATTACTACCAAAATCATTTAC
 ACCGGGAAAAAGCCCTGTAACACGAATGCGGCGAGAGCATTCAATAAGAGCAGCAACTATACCAAGGAAA
 AACTGCAGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207258 representing NM_007139
 Red=Cloning site Green=Tags(s)

MVDKTPVMCSHFAQDVVPEHSIKDSFQKVIILRTYGYGHENLQLRKDHKSVDACKVYKGGYNGLNQCLTT
 TDSKIFQCDKYVKVFHFKFPNVRNKIRHTGKPKFKCKNRGKSFCMLSQLTQHKKIHTREYSYKCEECGKA
 FNWSSTLTKHKI IHTGEKPYKCEECGKAFNRSSNLTKHKI IHTGEKPYKCEECGKAFNRSSSTLTKHKRIH
 TEEKPYKCEECGKAFNQFSILNKHKRIHMDKPYKCEECGKAFRVFSILKHKI IHTGEKPYKCEECGKA
 FNQFSNLTKHKI IHTGEKPYKCEECGKAFNQSSSTLTKHKRIHTGEKPYKCEECGKAFKQSSTLTHEKIIH
 TGEKPYKCEKCGKAFSWSSAFTKHKRNHMDKPYKCEECGKAFSVFSTLTKHKI IHTREKPYKCEECGKA
 FNQSSIFTKHKI IHTEGSYKCEKCGNAFNQSSNLTARKIIYTGEKPYKYEEDKAFNKFSTLITHQIIY
 TGEKPKHECGRAFKNSSNYTKEKLQT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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_007139.2 , NP_009070.2
RefSeq Size:	3093 bp
RefSeq ORF:	1554 bp
Locus ID:	168374
UniProt ID:	Q03936
Cytogenetics:	7q11.21
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]