

## Product datasheet for **RG229146**

### zinc finger protein 138 (ZNF138) (NM\_006524) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	zinc finger protein 138 (ZNF138) (NM_006524) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF138
Synonyms:	pHZ-32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229146 representing NM_006524 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGACCACTGACATTTATGGATGTGGCCATAGAGTTCTTTGGAGGAGTGCCAGTGCCTGGACTG  
CACAGCGGAATGTATATAGGCATGTGATGTTAGAGAACTACAGAAACCTGGTTTTCTGGCTCTGTGTT  
TCGTTTTGCCAAGACCTTTGGCTAGAGCAGAACATAAAAGATTCCTTCCAAAAGTGACTGAGCAGA  
TATGGAAAATATGGACATAAGAATTTACAGTTAAGAAAAGGCTGTAAAAGTGTGGATGAGTGAAGGGAC  
ACCAAGGAGGTTATAATGGACTTAACCAATGTTTGAAAATTACCACAAGCAAAATATTTCAATGTAATAA  
ATATGTAAAAGTCATGCATAAATTTCAAATTCAAATAGACACAAGATAAGACATACTGAAAATAAACAT  
TTCAGATGTAAAGAATGTGACAAATCACTTTGCATGCTTTACGCCTAACTCAACATAAAAAATTCATA  
CTAGAGAGAATTTCTACAAATGTGAAGAGTGTGGAAAAACCTTTAACTGGTCCACAAAACCTTTCTAAACC  
TAAGAAAATTCATACTGGAGAAAAACCTACAAATGTGAAGTATGTGGAAAAGCCTTTACCAATCTCTCA  
ATCCTTACTAAACATAAGATAATTCGTACTGGAGAAAAACCTATAAATGTGCACACTGTGGCAAAGCCT  
TTAAACAGTCCTCACACCTTACTAGACATAAGATAATTCATACTGAAGAGAAAACCTACAAATGTGAACA  
ATGTGGCAAGGTCTTTAAGCAGTCCCAACCTTACTAAACATCAGATAATTTATACTGGAGAGGAACCA  
TACAAATGTGAGGAATGTGGCAAAGCTTTAACCTATCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229146 representing NM\_006524  
 Red=Cloning site Green=Tags(s)

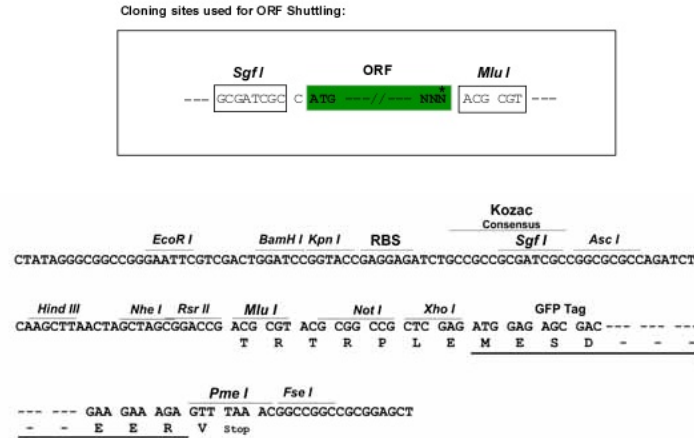
MGPLTFMDVAIEFSLSEEWQCLDTAQRNVYRHMVLENYRNLVFLALCSRF AQDLWLEQNIKDSFQKVTL SR  
 YGKYGHKNLQLRKGCKSVDECKGHQGGYNL NQCLKITTSKIFQCNKYKVMHKFSNSNRHKIRHTENKH  
 FRCKECKSLCMLSRLTQHKKIHTRENFKCEECGKTFNWSTNLSKPKKIHTGEKPYKCEVCGKAFHQSS  
 ILTKHKIIRTGEKPYKCAHC GKAFKQSSHLTRHKI IHTEEKPYKCEQCGKVFVKQSPTLTKHQI IYTGEEP  
 YKCEECGKAFNLS

TRTRPLE - GFP Tag - V

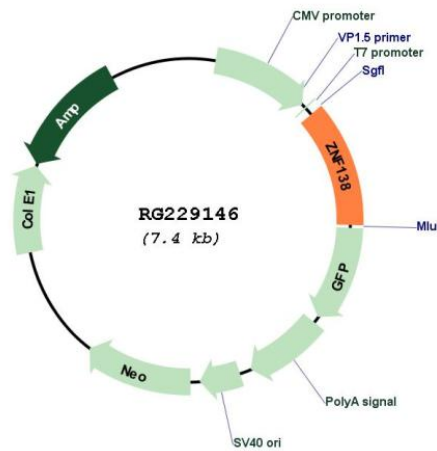
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_006524

ORF Size: 879 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006524.3</a>
<b>RefSeq Size:</b>	2504 bp
<b>RefSeq ORF:</b>	882 bp
<b>Locus ID:</b>	7697
<b>UniProt ID:</b>	<a href="#">P52744</a>
<b>Cytogenetics:</b>	7q11.21
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	May be involved in transcriptional regulation as a repressor.[UniProtKB/Swiss-Prot Function]