

## Product datasheet for RC229146

### 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:	Myc-DDK
Symbol:	zinc finger protein 138
Synonyms:	pHZ-32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229146 representing NM_006524 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGACCACTGACATTTATGGATGTGGCCATAGAGTTCTTTGGAGGAGTGCCAGTGCCTGGACTG  
CACAGCGGAATGTATATAGGCATGTGATGTTAGAGAACTACAGAAACCTGGTTTTCTGGCTCTGTGTT  
TCGTTTTGCCAAGACCTTTGGCTAGAGCAGAACATAAAAGATTCCTTCCAAAAGTGACTGAGCAGA  
TATGGAAAATATGGACATAAGAATTTACAGTTAAGAAAAGGCTGTAAAAGTGGATGAGTGAAGGGAC  
ACCAAGGAGGTTATAATGGACTTAACCAATGTTTGAAAATTACCACAAGCAAAATATTTCAATGAATAA  
ATATGTAAGATCATGCATAAATTTCAAATTCAAATAGACACAAGATAAGACATACTGAAAATAACAT  
TTCAGATGTAAAGAAATGTGACAAATCACTTTGCATGCTTTCACGCCTAACTCAACATAAAAAATTCATA  
CTAGAGAGAATTTCTACAAATGTGAAGAGTGTGGAAAAACCTTTAACTGGTCCACAAAACCTTTCTAAAC  
TAAGAAAATTCATACTGGAGAAAAACCTACAAATGTGAAGTATGTGGAAAAGCCTTTCACCAATCCTCA  
ATCCTTACTAAACATAAGATAATTCGACTGGAGAAAAACCTATAAATGTGCACACTGTGGCAAAGCCT  
TTAAACAGTCCTCACACCTTACTAGACATAAGATAATTCATACTGAAGAGAAAACCTACAAATGTGAACA  
ATGTGGCAAGGCTTTAAGCAGTCCCAACCTTACTAAACATCAGATAATTTATACTGGAGAGGAACCA  
TACAAATGTGAGGAATGTGGCAAAGCTTTAACCTATCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229146 representing NM\_006524  
Red=Cloning site Green=Tags(s)

MGPLTFMDVAIEFSLLEEWQCLDTAQRNVYRHVMLENYRNLVFLALCSRF AQDLWLEQNIKDSFQKVTL SR  
 YGKYGHKNLQLRKGCKSVDECKGHQGGYNGLNQCLKITTSKIFQCNKYKVMHKFSNSNRHKIRHTENKH  
 FRCKECDKSLCMLSRLTQHKKIHTRENFYKCEECGKTFNWSTNLSKPKKIHTGEKPYKCEVCGKAFHQSS  
 ILTKHKIIRTGEKPYKCAHCGKAFKQSSHLTRHKI IHTEEKPYKCEQCGKVFVKQSPRTLTKHQI IYTGEEP  
 YKCEECGKAFNLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_006524

**ORF Size:** 879 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\\_006524.3](#)

**RefSeq ORF:** 882 bp

**Locus ID:** 7697

**UniProt ID:** [P52744](#)

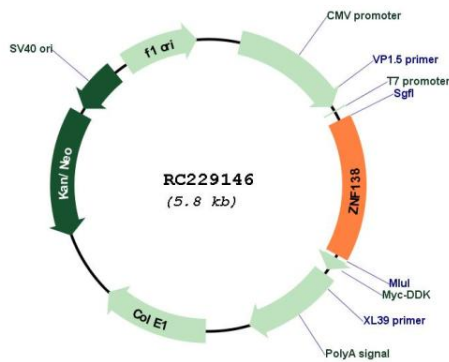
**Cytogenetics:** 7q11.21

**Protein Families:** Transcription Factors

**MW:** 34.2 kDa

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

**Product images:**



Circular map for RC229146