

## Product datasheet for **RG214828**

### ZNF266 (NM\_006631) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF266 (NM_006631) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF266
Synonyms:	HZF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG214828 representing NM\_006631  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGAGAACTACAAGAATTTGGCCACAGTAGGATATCAGCTCTTCAAACCCAGTCTGATCTCTTGGC  
 TGGAAACAAGAAGAGTCTAGGACAGTGCAGAGAGGTGATTTCCAAGCTTCAGAATGGAAAGTGAACCTTAA  
 AACCAAAGAGTTAGCCCTTCAGCAGGATGTTTTGGGGAGCCAACCTCCAGTGGGATTCAAATGATAGGA  
 AGCCACAACGGAGGGGAGGTGAGTGTAAAGCAATGTGGAGATGTCTCCAGTGAACACTCATGCCTTA  
 AGACACATGTGAGAACTCAAAATAGTGAGAACACATTTGAGTGTATCTGTATGGAGTAGACTTCCTTAC  
 TCTGCACAAGAAAACCTCTACTGGAGAGCAACGTTCTGTATTTAGTCAGTGTGAAAAGCCTTCAGCCTG  
 AACCCAGATGTTGTTGCCAGAGAACGTGCACAGGAGAGAAAGCTTTTGATTGCAGTGACTCTGGGAAAT  
 CCTTCATTAATCATTACACCTTCAGGGACATTTAAGAACTCACAAATGGAGAAAGTCTCCATGAATGGAA  
 GGATGTGGGAGAGGCTTTATTCCTCCACAGACCTTGCTGTGCGTATACAACTCACAGGTCAGAAAAA  
 CCCTACAAATGTAAGGAATGTGGAAAAGGATTTAGATATTCGCATACCTTAATATTACATGGGAACCC  
 ACACTGGAGACAATCCCTATGAGTGAAGGAGTGTGGAAAGCCTTCACCAGGCTTGTCAACTTACTCA  
 GCACAGAAAACTCACACTGGAGAGAAACCTTATAAATGTAAGGATTGTGGGAGAGCCTTCACTGTTTCC  
 TCTTGCTTAAGTCAACATATGAAAATCCATGTGGGTGAGAAGCCTTATGAATGCAAGGAATGTGGGATG  
 CCTTCACTAGATCTTCTCAACTTACTGAACATTTAAAACTCACACTGCAAAGGATCCCTTTGAATGTAA  
 GATATGTGGAAAATCCTTTAGAAATTCCTATGCCTCAGTGATCACTTTTGAATTCACACTGGAATAAAA  
 CCCTATAAATGTAAGGATTGTGGAAAAGCCTTCACTCAGAACTCAGACCTTACTAAGCATGCACGAACTC  
 ACAGTGGAGAGAGGCCCTATGAATGTAAGGAATGTGGAAAAGCCTTTGCCAGATCCTTCGCCTTAGTGA  
 ACATACAAGAACTCACACTGGAGAGAAGCCTTTTGAATGTGCAATGTGGAAAAGCCTTTGCTATTTCT  
 TCAAATCTTAGTGGACATTTGAGAATTCACACTGGAGAGAAGCCCTTTGAGTGCCTGGAATGTGGTAAAG  
 CATTTACGCATTCTCCAGTCTTAATAATCACATGCGGACCCACAGCGCCAAAAAACCATTCACGTGTAT  
 GGAATGTGGCAAAGCCTTTAAGTTTCCACGTGTGTTAACCTTCACATGCGGATCCACACTGGAGAAAAA  
 CCCTACAAATGTAACAGTGTGGAAAATCCTTCAGTTACTCCAATTCGTTTCAGTTACATGAACGAACTC  
 ACACTGGAGAGAAACCTATGAATGTAAGGAGTGCAGGAAAGCCTTCAGTCTTCCAGTTCCTTTGAAA  
 TCATGAAAGAAGGCATGCGGATGAGAGACTGTCAGCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG214828 representing NM\_006631  
 Red=Cloning site Green=Tags(s)

MLENYKNLATVGYQLFKPSLISWLEQEEERTVQRGDFQASEWKVQLKTELALQQDVLGEPTSSGIQMIG  
 SHNGGEVSDVKQCGDVSSEHSCLKTHVRTQNSENTFECYLYGVDFLTLHKKTSTGEQRSVFSQCGKAFSL  
 NPDVVCQRTCTGEKAFDCSDSGKSFINHSHLQGHRLRTHNGESLHEWKECGRGFHSTD LAVRIQTHRSEK  
 PYKCKEKGKFRYSAYLNIHMGHTGDNPYECKEKGKAFTRSCQLTQHRKTHTGEKPYKCKDCGRAFTVS  
 SCLSQHMKIHVGEKPYECKEKGIAFTRSSQLTEHLKTHAKDPFECKICGKSFRNSSCLSDHFRIHTGKIK  
 PYKCKDCGKAFTQNSDLTKHARTHSGERPYECKEKGKAFARSSRLSEHTRTHTGEKPFECVKCGKAFKAFIS  
 SNLSGHLRIHTGEKPFECLECGKAFTHSSLNHMRTHSAKKPFTCMCEGKAFKFPPTCVNLHMRIHTGEK  
 PYKCKQCGKSFYSNSFQLHERHTHTGEKPYECKEKGKAFSSSSFRNHERRHADERLSA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_006631

**ORF Size:** 1647 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\\_006631.2](#), [NP\\_006622.2](#)

**RefSeq Size:** 3618 bp

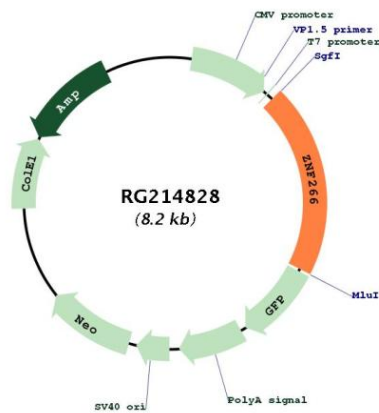
**RefSeq ORF:** 1650 bp

**Locus ID:** 10781

**UniProt ID:** [Q14584](#)

Cytogenetics:	19p13.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein containing many tandem zinc-finger motifs. Zinc fingers are protein or nucleic acid-binding domains, and may be involved in a variety of functions, including regulation of transcription. This gene is located in a cluster of similar genes encoding zinc finger proteins on chromosome 19. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Sep 2012]

### Product images:



Circular map for RG214828