

## Product datasheet for **RG208411**

### **ZFP38 (ZSCAN21) (NM\_145914) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Product Type:             | Expression Plasmids                                |
| Product Name:             | ZFP38 (ZSCAN21) (NM_145914) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                           |
| Symbol:                   | ZFP38                                              |
| Synonyms:                 | NY-REN-21; Zipro1; ZNF38                           |
| Mammalian Cell Selection: | Neomycin                                           |
| Vector:                   | pCMV6-AC-GFP (PS100010)                            |
| E. coli Selection:        | Ampicillin (100 ug/mL)                             |



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**ORF Nucleotide Sequence:**

>RG208411 representing NM\_145914  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGACCAAGGTACTAGGCATGGCCCCAGTTCTGGGCCCTAGGCCTCCACAGGAGCAGGTGGGCGCTC  
 TGATGGTAAAAGTCGAGGAGAAAGAGAAAGGCAAGTACCTTCTAGCCTGGAGATGTTCCGCCAGCG  
 CTTCAGGCAGTTTGGGTACCATGATACCCCTGGACCCGAGAGGCCCTGAGCCAACCTCCGGGTGCTCTGC  
 TGTGAGTGGCTGAGGCCGAGATCCACACCAAGGAGCAGATCCTGGAGCTACTGGTGCTGGAGCAGTTCC  
 TGACCATCCTGCCCCAGGAGCTCCAGGCCTGGGTGCAGGAGCATTGCCCGGAGAGCGCTGAAGAGGCTGT  
 CACTCTCCTCGAAGATCTGGAGCGGGAAGTGGATGAGCCAGGACACAGGTCTCAACTCTCCAAACGAA  
 CAGAAACCGGTGTGGGAGAAGATATCCTCCTCAGGAAGTCAAAGGAATCCCGAGCAGCATGCAGCCAC  
 AGCCCTTGAGAGCAGTCACAAATACGAGTCTTGGGGGCCCTGTACATCAAGAGTCTGGTGAGGAGCA  
 GGAGTTTCCTCAAGATCCAAGAAAGGTCCGAGATTGCAGATTGAGTACCCAGCACGAGGAATCAGCAGAT  
 GAGCAGAAAGTTCTGAAGCAGAGGGGCTCAAAGGGGATATAATTTCTGTGATTATCGCCAATAAACCTG  
 AGGCCAGCTTAGAGAGGCAGTGCCTAAACCTTGAAATGAAAAAGGAACAAAACCCCTCTTCAAGAGGC  
 AGGCTCCAAGAAAGGTAGAGAATCAGTTCTACTAAACCTACCCAGGAGAGAGACGTTATATATGTGCT  
 GAATGTGGCAAAGCCTTTAGTAATAGCTCAAATCTCACAAACACAGGAGAACACACACTGGGGAGAAAC  
 CTTACGTGTGCACCAAGTGTGGGAAAGCTTTCAGCCACAGCTCAAACCTCACCTCCACTACAGAACACA  
 CTTGGTGGACCGCCCTATGACTGTAAGTGTGGAAGCTTTTGGGCAGAGCTCAGACCTTCTTAAACAT  
 CAGAGAATGCACACAGAAGAGGCCCATATCAGTGCAAAGATTGTGGCAAGGCTTTCAGCGGGAAGGCA  
 GCCTCATTCGTCATCTCGGATCCACACTGGGGAGAAGCCTTATCAGTGTAAAGAAATGTGGGAAGAGCTT  
 CAGTCAGCATGCGGGCCCTCAGTCCCACAGAGACTCCACACCGGAGAGAAGCCATATAAGTGTAAAGGAG  
 TGTGGGAAAGCCTTCAACCACAGCTCCAACCTCAATAAACACCACAGAATCCACACCGGGGAAAAGCCCT  
 ACTGGTGTCACTGTGGAAAGACCTTCTGTAGCAAGTCCAATCTTCCAAACATCAGCGAGTCCACAC  
 TGGAGAGGGAGAAGCACCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

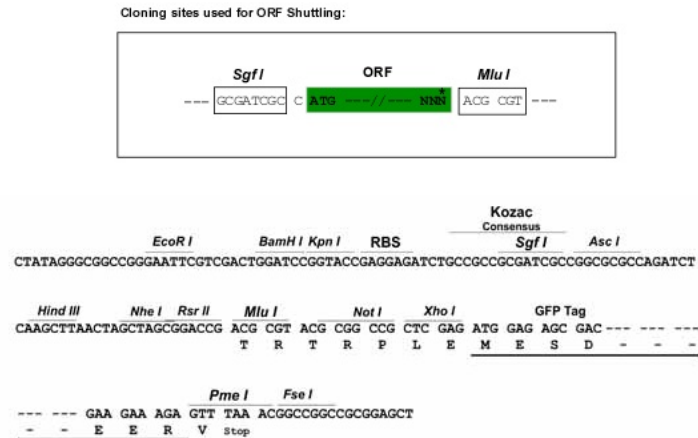
>RG208411 representing NM\_145914  
 Red=Cloning site Green=Tags(s)

MMTKVLGMAPVLGPRPPQEQVGPLMVKEEKEEGKYLPSLEMFRRFRQFGYHDTGPGREALSQLRVLC  
 CEWL RPEIHTKEQILELLVLEQLTILPQELQAWVQEHCPESAEEAVTLLEDLERELDEPGHVSTPPNE  
 QKPVWEKISSSGTAKESPSSMQPQPLETSHKYESWGPLYIQESGEEQEF AQDPRKVRDRLSTQHEESAD  
 EQKGSEAEGLKGDII SVIIANKPEASLERQCVNLENEKGTKPPLQEAGSKKGRESVPTKPTPGERRYICA  
 ECGKAFSNSSNLTKHRRHTHTEKPYVCTKCGKAFSHSSNLTLYRTHLVDRPYDCKCGKAFQSSDLLKH  
 QRMHTEEAPYQCKDCGKAFSGKSLIRHYRIHTGEKPYQCNECGKSF SQHAGLSSHQRLHTGEKPYKCKE  
 CGKAFNHSSNLFNKHRIHTGEKPYWCHHCGKTFCSKSNLSKHQRVHTGEGEAP

**TR**TRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145914

**ORF Size:** 1419 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\\_145914.3](#)

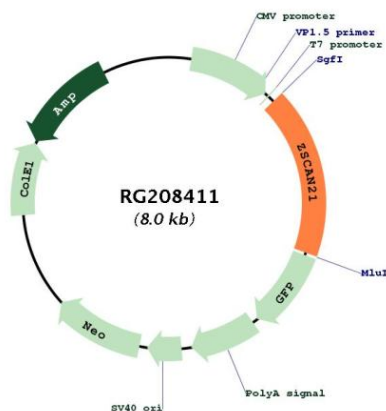
**RefSeq Size:** 2005 bp

**RefSeq ORF:** 1422 bp

**Locus ID:** 7589

UniProt ID: [Q9Y5A6](#)  
 Cytogenetics: 7q22.1  
 Protein Families: Transcription Factors  
 Gene Summary: Strong transcriptional activator.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG208411