

## Product datasheet for **RG217473**

### ZNF180 (NM\_013256) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF180 (NM_013256) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF180
Synonyms:	HHZ168
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RG217473 representing NM\_013256  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCGCAGGGTCTACGCGGAAGCTGGAAGCGGTGTGCAGCTCAGGACCTCAGCACCTGCTGTGCCTGG  
AGGAGAGCATGGAAGAGCAGGATGAGAAGCCCCAGGCCCGAAGGCCTGTGCACAGGATTCTTTCTT  
TCCTCAAGAGATTATCATCAAAGTCGAGGGAGAAGACACTGGGTCTCTGACCATCCCATCTCAGGAAGGA  
GTGAACCTCAAAATTGTGACTGTGGACTTCACACGGGAGGAACAGGGTACTTGGAACCTGCTCAGAGGA  
CCCTGGACAGAGATGTGATCCTGGAGAACCACAGGGACCTAGTCTCTGGGACTTGGCAACTGCAGTTGG  
AAAAAAGATTCAACTTCAAAGCAGAGGATTTTTGATGAAGAACCAGCTAATGGAGTGAAGATAGAAAGG  
TTTACAAGGGATGATCCTTGGTTATCTTCATGTGAAGAAGTGGATGATTGTAAGACCAGTTGGAGAAGC  
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AGTCTGCAAAAGTGTGAACTGGGAGAGAGTGGTCTGAATCCAGTCTATTTTCATCCCCAGTTATA  
CCATAAGAAACCAATTTTCATAAACATGTATCACATGCTAAAAATGGCATCTTAATGCTGCTGTAACA  
GTCATCAGAAGATTAATGAGAATGAGACACTATATGAAAAAATGAATGTGAAAAACCCCTCAGAGCAT  
TCACCTTATTAGTTTACAAGAACTCAAACAAAAGATAAATGCTATGGATTTAGTGACCGTATTCAATCT  
TTTTGCCATGGTACACCCTACATATACATGAAAAATTCATGGAGGAGGAAAAACCTTTGATTTTAAAG  
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ATATAATGTAGTAAACCTCTCATAGTTCCTCCCTTACTCAAACATGAGAAAATAATTCGAAGAGAAA  
CCTTTTGAATGTAATCAGTGTGGGAAATCCTTCAGCTGGAGCTCGCATCTTGTTCACATCAGAGAACTC  
ACACAGGGGAGAAACCTTATGAATGTAGTGAATGTGAAAAATCCTTCAGCCGGAGCTCGCACCTTGTTC  
CCATCAGAGAACTCATACTGGAGAGAAACCTTACAGGTGAATCAATGTGGGAAATCCTTTAGCCAGAGT  
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TCAATGTGGGAAATCATTATCCAGAGCTATAAACTTATTGCACATCAAAGAATTCATACTGGGAAAAA  
CCCTATGAATGCAATCAGTGTGGGAAATCCTTTAGTCAAAGTTATAAACTTGTGCTCATCAGAGAACTC  
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ACATCAAAGAACTCACACTGGAGAGAAACCGTATGAATGTAGTGAATGTGAAAAATCTTTAACCAGCAGT  
TCTCACCTTGTATGCATCAGAGAATTCACACTGGGAAAAACCGTATGAATGTAATCAGTGTGGGAAAT  
CCTTCAGCCAGAGTTATGTTCTTGTGTACATCAGAGAACTCATACTGGAGAAAAGCCCTATGAATGCAG  
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CCATTTGAATGTAATCAGTGTGGGAAAAACATTTAGCTTGAAGTGTGCGACTTATTGTGCATCAAAGAACTC  
ATACTGGAGAGAAAACCTTTACATGTATTCAGTGTGGAAAAGCTTTCATTAATAGCTATAAACTTATTAG  
GCATCAGGCAACTCATACTGAAGAGAACTCTATGAATGTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG217473 representing NM\_013256  
Red=Cloning site Green=Tags(s)

```
MRRVYAGSWKRCAAQDLSTLLCLEESMEEQDEKPPPEPKACAQDSFLPQEIIKVEGEDTGSLTIPSQEG
VNFKIVTVDFTREEQGTWNPQRDLDRDVLLENHRDLVSWDLATAVGKDDSTSKQRIFDEEPANGVKIER
FTRDDPWLSSCEEVDDCKDQLEKQEQEILLQEVAFTQRKAVIHERVCKSDETGEKSGLNSSLFSSPVI
PIRNHFHKHVSHAKKWHLNAAVNSHQKINENETLYENNECGKPPQSIHLIQFTRTQTKDKCYGFSDRIQS
FCHGTPLHIHEKIHGGGKTFDFKECGQVLNPKISHNEQQRIPFEESQYKCSSETSHSSSLTQNMNRNSEEK
PFECNQCGKSFSSSHLVAHQRTHTGEKPYECSECGKSFSSSHLVSHQRTHTGEKPYRCNQCGKSFSSQ
YVLVHQRTHTGEKPYECNQCGKSFQSYKLIHQRTHTGEKPYECNQCGKSFQSYKLIHQRIHTGEK
PYECNQCGKSFSSQSYKLIHQRTHTGEKPFECNQCGKSFSSSQLVAHQRTHTGEKPYECSECGKSFNRS
SHLVMHQRIHTGEKPYECNQCGKSFSSQSYLVVHQRTHTGEKPYECNQCGKSFQSSSCLTQHRTHTGEK
PFECNQCGKTFSLSARLIVHQRTHTGEKPFCTIQCGKAFINSYKLIRHQATHTEEKLYECN
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013256

**ORF Size:** 2073 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\\_013256.1](#), [NP\\_037388.1](#)

**RefSeq Size:** 3101 bp

**RefSeq ORF:** 2079 bp

**Locus ID:** 7733

**UniProt ID:** [Q9UJW8](#)

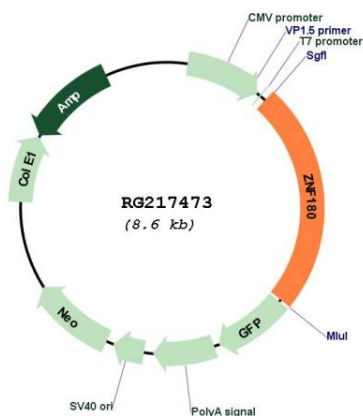
**Cytogenetics:** 19q13.31

**Domains:** KRAB, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** Zinc finger proteins have been shown to interact with nucleic acids and to have diverse functions. The zinc finger domain is a conserved amino acid sequence motif containing 2 specifically positioned cysteines and 2 histidines that are involved in coordinating zinc. Kruppel-related proteins form 1 family of zinc finger proteins. See MIM 604749 for additional information on zinc finger proteins.[supplied by OMIM, Jul 2002]

### Product images:



Circular map for RG217473