

## Product datasheet for **RG234684**

### **ZNF233 (NM\_001207005) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | ZNF233 (NM_001207005) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                     |
| Symbol:                   | ZNF233                                       |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-AC-GFP (PS100010)                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                       |



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**ORF Nucleotide  
Sequence:**

>RG234684 representing NM\_001207005  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGACCAAGTTTCAGGAGATGGTGACATTCAAGGATGTGGCTGTGGTCTTCACCAGGAGGAGCTGGGGT  
 TGCTGGACCTTGCCAGAGAAAGCTGTACCAAGATGTGATGCTGGAGAATTCAGGAACCTGCTGTCACT  
 GGGCTATCAACCTTCAAACTAGATGTGATATTACAGTTGGGAAAAGAAGACAAGCTTCGGATGATGGAG  
 ACAGAAATCCAAGGAGATGGGTGTTGAGACACAAGAATCAAAATGAGATAGATACCTTCAAGAAGTAA  
 GATTAAGATTCTTTTATGAAGACCTTATATGCTGGCAAAATATGGGAACAATTTACAAGTAAATTAAC  
 CAGTAATCAAGACCTAATAATAATCTTCAAGGCAAGAGGTCCAAGTTGCTAAAACAAGGTGATCCCCC  
 TGTCAGGTGTGGACAGGAGAATCTAGTCAGGTCTCTGAAGATGAGAACTATGTAATAAGCTACAAGGGG  
 AGAGTTCAAAATAGCATAAAAAATCAAGAGCTTCCATTGAGGACCCTGGGATTTCTGGAGGAAAATGTA  
 TCTGAGAGAACCACAGAATTATCAGAGTAGGTGTGAGCAAAATGATGTAAAAAATAAGCTCTGTAAATGT  
 GATCATTTGTGTTAGGCAAGAATTGCTCATCAACATGATGATCATGGAGTACACAAAAGAGAGAAAGCTT  
 TTAGCCACAATAATTGTGAAAAGACTGTGTGAAGGAATCATCCAGCATAGCATAATCCAATCAGGAGA  
 GCAAACCTCTGATGAAAATGAAAAGGCTTAAGTGTGGCTCTAATCTTGAATTCACCAGCAACTACAC  
 TTAAGAGACAAGCCTCATGTAATGTTGAGTACGGGAAGGGCATAGGTTACAGCTCAGGGCTTCCCAGGC  
 ATCAGTGTTCACATAGGAGAGAAAATGCTATAGGAATGGTGACAGTGGTGAGGGCTTCAGTCAGGGCTC  
 ACATCTGCAACCTCATCAGAGAGTCAGCACAGGAGAGAACCTCTACAGATGTCAGGTATATGCCCGGAGC  
 TCCAACCAGAATCCTGTCTTCCCTCTCATGAGCTTACTACCCAGGAGAGAAGTTGTGTACATGTGGCA  
 GGTGTGGGAAGGGCTTCCATCATAGCTTAGATTTTGACATTCAGTGTGTAGACAGTGTGGAGAGAGAGC  
 CTGTAATGTGATGTATATGATAAAGGCTTCAGTCAGACATCACAACTTCAAGCCCATCAGAGAGGTGAC  
 TCTAGAGACAAGACATACAAATGGGAAGTAAGTGACAGGATATTTAATAGGAATTCTGGTCTTCACCAGA  
 GAGTTCACACTGGAGAGAAACCATATAAATGTGAGGTATGTGATAAGGGCTTCAGTAAGGCCTCAAATCT  
 TCAAGCCCATCAGAGAATCCACACTGGAGAGAAACCTACAAATGTGATGTGTGTGATAAGAACTTCAGC  
 CGTAATTTCCACCTTCAGGCCCATCAGAGAGTCCATACAGGAGAGAAACCTACAAATGTGACACATGTG  
 GGAAGGACTTCAGTCAGATCTCTCATCTTCAGGCCCATCAGAGAGTTCACAAAGGAGAGAAGCCATACAA  
 ATGTGAGACATGTGGGAAGGGCTTTAGTCAGAGTTCGCATCTCCAAGACCATCAGCAAGTCCATACTGGA  
 GAGAATCCCTACAAATGTGATGTGTGTGGGAAAGGCTTCAGTTGGAGTTCACATCTTCAAGCCCATCAGA  
 GAGTCCACACAGGAGAGAAACCATACAAATGTGAAGAATGTAGGAAAGGCTTCATCTGGAACCTCATATCT  
 TCATGTTTCATCAGAGGATCCACACGGGAGAGAAACCTATAAATGTGGCATGTGTGGTAAGAGCTTCAGT  
 CAGACTTCACATCTTCAAGCCCATCAGAGAGTCCATACTGGAGAGAAACCATACAAATGTTTTGTGTGTG  
 GTAAGGGCTTTAGTAAGAGTTCGTTGTCTTCAGATTTCATCAGAGAGTCCA

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG234684 representing NM\_001207005  
 Red=Cloning site Green=Tags(s)

MTKFQEMVTFKDVAVVFTREELGLDLAQRKLYQDVMLENFRNLLSVGYQPFKLDVILQLGKEDKLRMME  
 TEIQDGC SGHKNQNEIDTLQEVRLRFLSYEDLICWQIWEQFTSKLTSNQDLIIINLQGRSKLLKQGDSP  
 CQVWTGESSQVSEDENYIKLQGESSNSIKNQELPLRTTWDFWRKMYLREPQNYQSRCQQIDVKNKLCCK  
 DHCVRQRIAHQHDDHGVHKREKAFSHNNCGKDCVKESSQHSIIQSGEQTSDENGKGLSVGSNLELHQQLH  
 LRDKPHVNVEYGGIGYSSGLPRHQCFHIGEKCYRNGDSGEGFSQGSHLQPHQVSTGENLYRCQVYARS  
 SNQNSCLPSHELTHPGEKLCCTGRCGKGFHSLDFDIHCVD SAGERACKCDVYDKGFSQTSQLQAHQRGH  
 SRDKTYKWEVSDRIFNRNSGLHQRVHTGEKPYKCEVCDKGF SKASNLQAHQRIHTGEKPYKCDVCDKNFS  
 RNSHLQAHQRVHTGEKPYKCDTCGKDFSQISHLQAHQRVHKGEKPYKCETCGKGFSSSHLQDHQVHTG  
 ENPYKCDVCGKGFSSSHLQAHQRVHTGEKPYKCEE CRKGF IWNSYLHVHQRHTGEKPYKCGMCGKSFS  
 QTSHLQAHQRVHTGEKPYKCFVCGKGFSSSLSSDSSESP

TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001207005

**ORF Size:** 2010 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\\_001207005.1](#), [NP\\_001193934.1](#)

**RefSeq Size:** 2776 bp

**RefSeq ORF:** 2013 bp

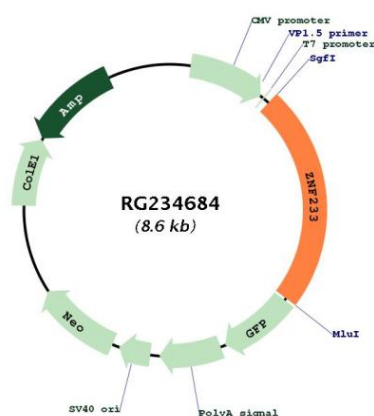
**Locus ID:** 353355

**UniProt ID:** [A6NK53](#)

**Cytogenetics:** 19q13.31

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

## Product images:



Circular map for RG234684