

## Product datasheet for **RG234053**

### ZNF550 (NM\_001277091) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF550 (NM_001277091) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF550
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234053 representing NM_001277091 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGACGAAGGACGCAGCGCAGATGTTGGTGACCTTCAAGGATGTGGCTGTGACCTTTACCCGGG  
AGGAGTGGAGACAGCTGGACCTGGCCCAGAGGACCCTGTACCGAGAGGTGATGCTGGAGACCTGTGGGCT  
TCTGGTTTCACTAGGGCATCGGGTTCCCAAACCAGAGTTGGTCCACCTGCTAGAGCATGGGCAGGAGCTG  
TGGATAGTGAAGAGAGGCCTCTCACATGCTACCTGTGCAGGTGACAGAGCACAAGTTCATACCGAGAGC  
CAACCCTTACCCGCCAGTCTTATCTGAGCGGGCCTTTCTCCGGGAAGCCTGACTCTGGAATCTTCAAC  
CTCAAGTGATTCGAGTTGGGGAGAGCTAGGGATGAGGAAGGGCTTTTGGAAATGCAGAAAGGTAAGTG  
ACACCGGAGACAGACCTCCACAAGGAGACCCATCTTGGGAAAGTGAGCCTTGAAGGTGAAGTGGGGA  
CAGATGATGGTCTGCACTCCAGGCATTACAAGAGTGGTTATCAGCAGATGTTCTCCATGAATGTGACTC  
ACAGCAACCAGGAAAGACGCCTTGATTCATGCAGGGACAAACCCTACAAATGCAAGCAGTGTGGGAAA  
GGTTTTAACAGGAAGTGGTATCTCGTTCGACATCAGAGGGTTCACACTGGAATGAAACCCTATGAATGCA  
ATGCATGTGGGAAAGCCTTAGCCAGAGCTCAACTCTCATTCCGCACTACCTCATCCACCCGGGGAGAA  
ACCATAAAGTGCCTTGAGTGTGGGAAGGCCTTCAAACGCAGGTCTGACCTCATGCAGCACCATCCAATC  
CACACTGGAGAGAAACCCTATGAGTGTAGTCAATGTGCAAGGCCTTACCCACCGGTCTACTTTTATTC  
GCCATAATAGGACCCACACTGGAGAAAAGCCCTTTGAGTGCAAAGAATGTGAGAAAGCCTTAGCAATAG  
AGCCACCTAATTCAACATTACATCATCCACACTGGAGAGAAGCCCTATGATTGCATGGCATGTGGAAA  
GCCTTCAGATGCAGCTCAGAACTCATACAGCACCAGCGGATTCACACTGGGGAGAAGCCCTATGAATGCA  
CCCAGTGTGGGAAAGCCTTACCCGGAGCAGTACCTCATTGAGCACTCTGTATCCACACTGGGGAGAT  
GCCCTACAAGTGTATCGAGTGTGGGAAGGCCTTCAAACGCAGGTACACCTTCTGCAGCACCAAGGGTC  
CATACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

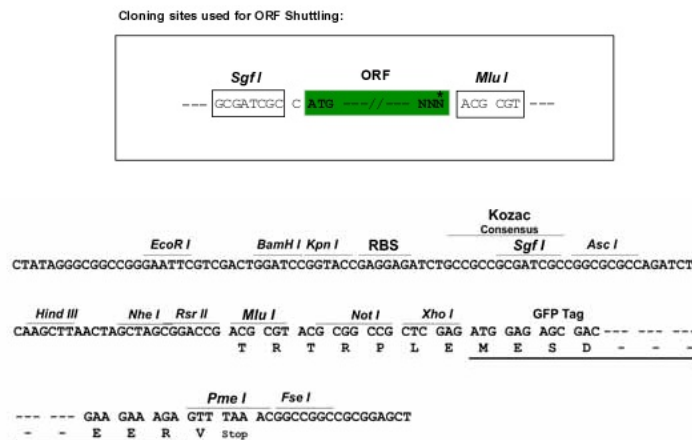
**Protein Sequence:** >RG234053 representing NM\_001277091  
Red=Cloning site Green=Tags(s)

MAETKDAQMVLVTFKDVAVTFTREEWRQLDLAQRTL YREVMLET CGLLVSLGHRVPKPELVHLLLEHGQEL  
 WIIVKRGLSHATCAGDRAQVHTREPTTYPPVLSERAF LRGS LTLESSTSSDSRLGRARDEEGLLEMQKGV  
 TPETDLHKETHL GKVSLEGEGLGTDGDLHSRALQEWL SADVLHECDSQQPGKDALIHAGTNPYKCKQCGK  
 GFNRKWYLVRHQRVHTGMKPYECNACGKAFQSSTLIRHYLIHTGEKPYKCLECGKAFKRRSYLMQHHP  
 IHTGEKPYECSQCRKAFTHRSTFIRHNRTHHTGEKPFECKECEKAFSNRAHLIQHYIHTGEKPYDCMACGK  
 AFRCSSELIQHQRHTHTGEKPYECTQCGKAFHRSTYLIQHSVIHTGEMPYKCI ECGKAFKRRSHLLQHQRV  
 HT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001277091

**ORF Size:** 1266 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\\_001277091.2](#)

**RefSeq Size:** 3737 bp

**RefSeq ORF:** 1269 bp

**Locus ID:** 162972

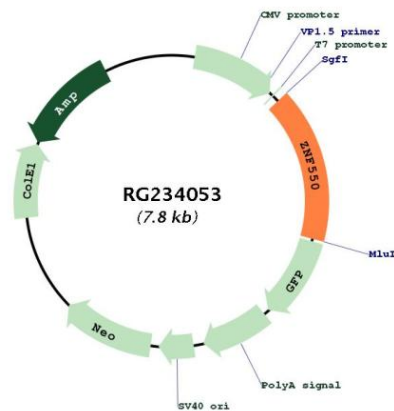
**UniProt ID:** [Q7Z398](#)

**Cytogenetics:** 19q13.43

**Protein Families:** Transcription Factors

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

### Product images:



Circular map for RG234053