

Product datasheet for **RG234054**

ZNF550 (NM_001277092) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF550 (NM_001277092) 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:	>RG234054 representing NM_001277092 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGACGAAGGACGCAGCGCAGATGTTGGTGACCTTCAAGGATGTGGCTGTGACCTTTACCCGGG
AGGAGTGGAGACAGCTGGACCTGGCCCAGAGGACCCTGTACCGAGAGGTGATGCTGGAGACCTGTGGGCT
TCTGGTTTCACTAGGGCATCGGGTTCCCAAACCAGAGTTGGTCCACCTGCTAGAGCATGGGCAGGAGCTG
TGGATAGTGAAGAGAGGCCTCTCACATGCTACCTGTGCAGGTGACAGAGCACAAGTTCATACCCAGAGAC
CAACCATTACCCGCCAGTCTTATCTGAGCGGGCCTTTCTCCGGGAAGCCTGACTCTGGAATCTTCAAC
CTCAAGTGATTCGAGTTGGGGAGAGCTAGGGATGAGGAAGGGCTTTTGAAATGCAGAAAGGTAAGTG
ACACCGGAGACAGACCTCCACAAGGAGACCCATCTTGGGAAAGTGAGCCTTGAAGGTGAAGTGGGGA
CAGATGATGGTCTGCACTCCAGGCACTTACAAGAGTGGTTATCAGCAGATGTTCTCCATGAATGTGACTC
ACAGCAACCAGGAAAGACGCCTTGATTCATGCAGGGACAAACCCTACAAATGCAAGCAGTGTGGGAAA
GGTTTTAACAGGAAGTGGTATCTCGTTCGACATCAGAGGGTTCACACTGGAATGAAACCCTATGAATGCA
ATGCATGTGGGAAAGCCTTAGCCAGAGCTCAACTCTCATTCCGCACTACCTCATCCACCCGGGGAGAA
ACCATAAAGTGCCTTGAGTGTGGGAAGGCCTTCAAACGCAGGTCTGACCTCATGCAGCACCATCCAATC
CACACTGGAGAGAAACCCTATGAGTGTAGTCAATGTGCAAGGCCTTCAACCACCGGTCTACTTTTATTC
GCCATAATAGGACCCACACTGGAGAAAAGCCCTTTGAGTGCAAAGAATGTGAGAAAGCCTTAGCAATAG
AGCCACCTAATTCAACATTACATCATCCACACTGGAGAGAAGCCCTATGATTGCATGGCATGTGGAAAG
GCCTTCAGATGCAGCTCAGAACTCATACAGCACCAGCGGATTCACACTGGGGAGAAGCCCTATGAATGCA
CCCAGTGTGGGAAAGCCTTCAACGGAGCAGTACCTCATTGAGCACTCTGTATCCACACTGGGGAGAT
GCCCTACAAGTGTATCGAGTGTGGGAAGGCCTTCAAACGCAGGTACACCTTCTGCAGCACCAAGGGTC
CATACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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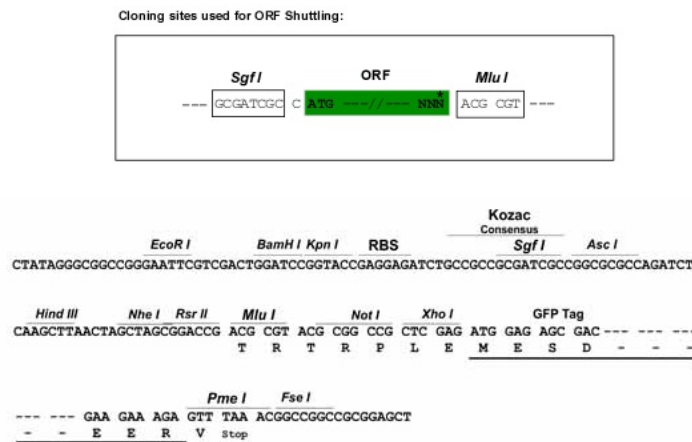
Protein Sequence: >RG234054 representing NM_001277092
Red=Cloning site Green=Tags(s)

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

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001277092

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_001277092.2](#)

RefSeq Size: 3390 bp

RefSeq ORF: 1269 bp

Locus ID: 162972

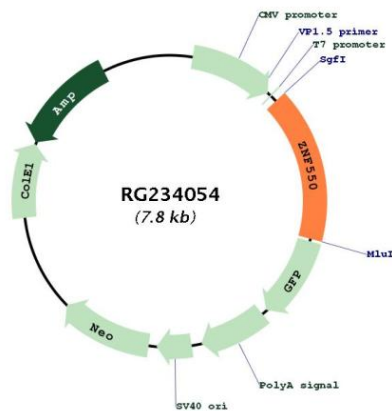
UniProt ID: [Q7Z398](#)

Cytogenetics: 19q13.43

Protein Families: Transcription Factors

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

Product images:



Circular map for RG234054