

Product datasheet for **RC234053**

ZNF550 (NM_001277091) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF550 (NM_001277091) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF550
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC234053 representing NM_001277091 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGACGAAGGACGCAGCGCAGATGTTGGTGACCTTCAAGGATGTGGCTGTGACCTTTACCCGGG
AGGAGTGGAGACAGCTGGACCTGGCCCAGAGGACCCTGTACCGAGAGGTGATGCTGGAGACCTGTGGGCT
TCTGGTTTCACTAGGGCATCGGGTTCCCAAACCAGAGTTGGTCCACCTGCTAGAGCATGGGCAGGAGCTG
TGGATAGTGAAGAGAGGCCTCTCACATGCTACCTGTGCAGGTGACAGAGCACAAGTTCATACCGAGAGC
CAACCATTACCCGCCAGTCTTATCTGAGCGGGCCTTTCTCCGGGAAGCCTGACTCTGGAATCTTCAAC
CTCAAGTGATTCGAGTTGGGGAGAGCTAGGGATGAGGAAGGGCTTTTGGAAATGCAGAAAAGGTAAGTG
ACACCGGAGACAGACCTCCACAAGGAGACCCATCTTGGGAAAGTGAAGCTTGAAGGTGAAGTTTGGGGA
CAGATGATGGTCTGCACTCCAGGGCATTACAAGAGTGGTTATCAGCAGATGTTCTCCATGAATGTGACTC
ACAGCAACCAGGAAAGACGCCTTGATTCATGCAGGGACAAACCCTACAAATGCAAGCAGTGTGGGAAA
GGTTTTAACAGGAAGTGGTATCTCGTTCGACATCAGAGGGTTCACACTGGAATGAAACCCTATGAATGCA
ATGCATGTGGGAAAGCCTTAGCCAGAGCTCAACTCTCATTCCGCACTACCTCATCCACACCGGGGAGAA
ACCATAAAGTGCCTTGAGTGTGGGAAGGCCTTCAAACGCAGGTGTCACCTCATGCAGCACCATCCAATC
CACACTGGAGAGAAACCCTATGAGTGTAGTCAATGTGCAAGGCCTTCAACCACCGGTCTACTTTTATTC
GCCATAATAGGACCCACACTGGAGAAAAGCCCTTTGAGTGCAAAGAATGTGAGAAAAGCCTTAGCAATAG
AGCCACCTAATTCAACATTACATCATCCACACTGGAGAGAAGCCCTATGATTGCATGGCATGTGGAAAAG
GCCTTCAGATGCAGCTCAGAACTCATACAGCACCAGCGGATTCACACTGGGGAGAAGCCCTATGAATGCA
CCCAGTGTGGGAAAGCCTTTACCCGGAGCACGTACCTCATTGAGCACTCTGTATCCACACTGGGGAGAT
GCCCTACAAGTGTATCGAGTGTGGGAAGGCCTTCAAACGCAGGTACACCTTCTGCAGCACCAAGGGTGC
CATACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



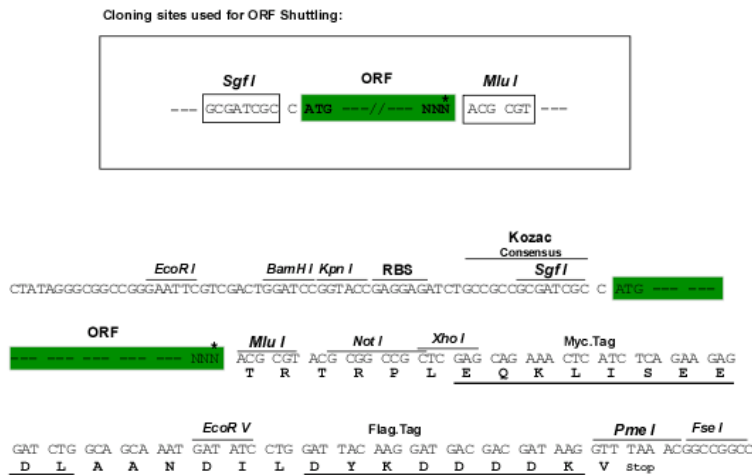
Protein Sequence: >RC234053 representing NM_001277091
Red=Cloning site Green=Tags(s)

MAETKDAQAQLVTFKDVAVTFTREEWRQLDLAQRTRYREVMLETGCLLVSLGHRVPKPELVHLLLEHGQEL
 WIWKRGLSHATCAGDRAQVHTREPTTYPPVLSERAF LRGLTLESSTSSDSRLGRARDEEGLLEMQKQKV
 TPETDLHKETHLGVSLLEGEGLGTDGDLHSRALQEWLADVLHECDSQQPGKDALIHAGTNPYKCKQCGK
 GFNRKWYLVRHQVHTGMKPYECNACGKAFQSSTLIRHYLIHTGEKPYKCLECGKAFKRRSYLMQHHP
 IHTGEKPYECSQCRKAFTHRSTFIRHNRTHHTGEKPFECCEKAFSNRAHLIQHYIHTGEKPYDCMACGK
 AFRCSSELIQHRIHTGEKPYECTQCGKAFHRSTYLIQHSVIHTGEMPYKCIKCGKAFKRRSHLLQHQRV
 HT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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](#)

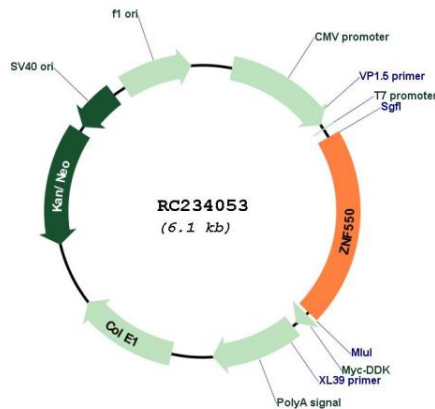
Cytogenetics: 19q13.43

Protein Families: Transcription Factors

MW: 48.8 kDa

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

Product images:



Circular map for RC234053