

Product datasheet for **RC221274**

ZNF594 (NM_032530) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF594 (NM_032530) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF594
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221274 ORF sequence, **codon optimized**.
Due to the complexity of NM_032530, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAAAGAATGGAATCTAAAATGGAGATCAGCGAAGAGAAGAAGTCCGCTAGGGCCGCCAGTGAAAAGC
 TCCAGCGGCAGATCACCAAGAGTGTGAACCTCGTGGAGACTTCCAATCCGAAGATCGGCTGCTGAAGCA
 CTGGGTGAGCCCCTGAAGGACGCCATGCGGCACCTGCCATCCAGGAAAGCGGTATCAGAGAGATGCAT
 ATAATTCCTCAGAAGGCCATCGTGGGTGAGATCGGCCACGGCTGTAATGAGGGTAAAAGATTCTTAGTG
 CCGGGGAAAAGCTCCCACCGCTATGAAGTATCAGGTGCAAACTTCAAACAAAAGAGTGGGTTGACAGAGCA
 CCAGAAGATCCATAATATAAATAAAACGTATGAGTGTAAGAGTGTGAAAAACCTTCAATCGATCTCC
 AACCTGATCATTATCAGCGGATCACACCGGGAACAAGCCATATGTCTGCAATGAATGCGGAAAGGACT
 CAAATCAGTCCTCAAACCTGATAATTCACCAGAGGATCCACACCGGCAAAAAACCTTATATTTGTCATGA
 GTGTGGCAAGGACTTCAATCAGTCATCTAATCTGGTGAGGCACAAACAGATCCATTCTGGAGGCAACCCA
 TACGAATGCAAAGAATGCGGTAAAGCATTCAAAGGATCATCAACCTTGTCTCCACCAGCGCATTCACT
 CACGGGAAAAGCCCTACCTGTGCAATAAATGTGGCAAAGCCTTTAGCCAGAGCACGGACCTATTATCCA
 TCATCGAATACACACCGGAGAAAAGCCTTATGAATGCTATGACTGCGGCCAAATGTTTTCCAATCTTCC
 CACTGGTTCCCCACCAACGCATACACACCGGGAGAAAACCCCTGAAGTGCAACGAATGTGAGAAGGCCT
 TCAGACAGCATTCTCACCTCACAGAGCATCAGCGATTGCACAGCGGTGAGAAGCCCTATGAGTGCCATCG
 ATGTGGGAAGACTTTCTCTGGCCGACTGCCTTCTTAAACATCAGAGGTTGCATGCCGGTGAAAAAATT
 GAAGAGTGCGAAAAGACGTTTTCCAAAGATGAAGAACTGCGGGAGGAGCAGCGCATCCACCAGGAAGAGA
 AGGCATACTGGTGAACCAAGTGTGGTGGGAATTTCCAAGTACCAGTGATCTGATAAGGCACCAGGTGAC
 CCATACCGGTGAGAAGCCCTACGAATGCAAGGAGTGTGGGAAAACATTTAATCAGTCATCTGATCTTCTT
 CGGCACCATCGCATTCTCCGGAGAGAAGCCCTGTGTTTGTCCAAATGCGGAAAAGCTTTCGGGGCA
 GCAGCGACTTGATCAGGCATCACAGGTTGCACACAGGAGAGAAGCCGTATGAGTGCTCCGAATGCGGGAA
 GGCAATCAGCAACGCAGCCATCTCGTGACCCACAGAAAGATTACACAGGCGAGAAAACCTACCAGTGT
 ACTGAGTGCGGTAAAGCCTTCCGACGCCGTCCCTTCTTATTCAGCACCCCGCATTACACAGCGGTGAGA
 AGCCATATGAGTGTAAGAATGTGGTAACTGTTCAATTTGGCGCACCGCATTCTGAAGCACCAGAGCTT
 GCATACCGGTGAGAAGCTGGAGTGCAGAAAGACATTTAGTCAGGACGAGGAGCTCAGAGGTGAGCAGAAA
 ATTCATCAAGAGGCAAAGGCTTACTGGTGAATCAGTGCGGGAGAGCCTTTCAGGGGAGCTCCGATCTGA
 TCCGACACCAGGTGACACACACCGGAGAAGCCCTACGAATGTAAGAGTGTGGCAAAACATTCACCA
 AAGTCATTACAGGGGAAGCAGTGATCTGATCAAACACCACCGCATTATACAGGAGAAAAGCCATATGAGT
 GCAGTGAATGTGGGAAGGCATTTAGTCAGAGATCCCACCTGGCTACCCACCAAAAAATTCACACGGGCGA
 AAAGCCTTATCAGTGTTCTGAATGTGGCAATGCTTTCCGACGGGATCCCTGCTGATCCAGCATAGGAGG
 CTCCATTTCTGGAGAGAAGCCCTATGAGTGCAAAGAATGTGGGAACTGTTGATGTGGCACACAGCTTTTC
 TGAAGCACCAGCGCTCCACGCAGGAGAGAAGCTCGAAGAGTGTGAAAAACATTTTCTAAGACGAGGA
 ACTGCGGAAGGAGCAGCGGACCCACCAGGAAAAAAGGTGATTGGTGCAACCAATGCTCTCGCACATTC
 CAGGGGTCTTCTGACCTCATCAGGCATCAGGTGACTCATACCAGAGAGAAAACCTATGAGTGCAAGGAAT
 GTGGAAAGACTCAGAGTGAGCTGCGACCCTCCGAACTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RC221274 representing NM_032530
 Red=Cloning site Green=Tags(s)

MKEWKSMEISEEKKSARAASEKLQRQITQECELVETSNSERDLLKHWVSPLKDAMRHLPSQESGIREMH
 IIPQKAI VGEIGHGCNEGEKILSAGESSHRYE VSGQNFQKQSGL TEHQKIHNINKTYECKECEKTFNRSS
 NLI IHQRIHTGNKPYVCNECGKDSNQSSNLI IHQRIHTGKKPYICHECGKDFNQSSNLVRHKQIHSGGNP
 YECKEKGKAFKGS SNLVLHQRIHSRGKPYLCNKCGKAFSQSTDLI IHHR IHTGEKPYECYDCGQMF SQSS
 HLVPHQRIHTGEKPLKCNCEKA FRQSHL TEHQRLHSGEKPYECHR CGKTF SGRTAFLKHQRLHAGEKI
 EECEKTF SKDEELREEQR IHQEEKAYWCNQGRNFQGTSDLIRHQVTHTGEKPYECKE CGKTFNQSSDLL
 RHHRIHSGEKPVC SKCGK SFRGSSDLIRHHRVHTGEKPYECSECGKAFSQRSHLVTHQKIHTGEKPYQC
 TECGKAFRRRSLLIQHRR IHSGEKPYECKE CGKLF IWRTAFLKHQSLHTGEKLECEKTF SQDEELRGEQK
 IHQEKAYWCNQGRAFGSSDLIRHQVTHTREKPYECKE CGKTFNQSSDLLRHHRIHSGEKPVCNKCG
 KSFRGSSDLIKHHR IHTGEKPYECSECGKAFSQRSHLATHQKIHTGEKPYQCSECGNAFRRRSLLIQHRR
 LHSGEKPYECKE GKLFWHTAFLKHQRLHAGEKLECEKTF SKDEELRKEQRTHQEKKVYWCNQCSRTF
 QGSSDLIRHQVTHTREKPYECKE CGKTQSELRPSETS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

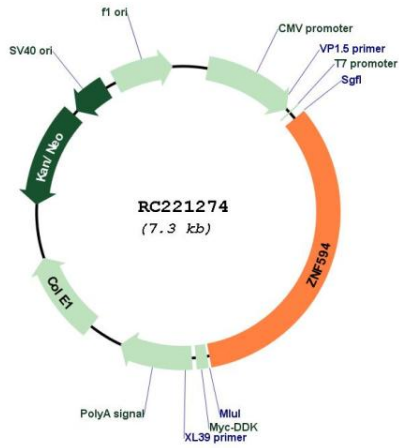


ACCN:

NM_032530

ORF Size:	2421 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:	<ol style="list-style-type: none">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_032530.1 , NP_115919.1
RefSeq Size:	4863 bp
RefSeq ORF:	2424 bp
Locus ID:	84622
UniProt ID:	Q96JF6
Cytogenetics:	17p13.2
MW:	93.9 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC221274