

Product datasheet for **RC205426**

ZNF563 (NM_145276) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF563 (NM_145276) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF563
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205426 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGCAGTGGCCTTTGAGGATGTGGCTGTGAACCTCACCCAGGAGGAATGGCCTTTGCTGGGTCCAT
 CACAGAAGAATTTATACAGATATGTGATGCAAGAAACCATCAGGAACCTGGACTGTATAAGAATGATATG
 GGAAGAACAGAATACTGAAGATCAGTACAAAAATCCTAGGAGAAATCTAAGATGCATATGGTAGAGAGA
 TTCAGTAAAAGTAAAGACAGTAGTCAGTGTGGAGAAACATTTAGCCTCATTTCGAGATAGTATTGTGAACA
 ACAGCATTGTCTGGAGAAGATCCATGTCAAAGCGCTGAGTGTGAAGAAGTCATAATGGGTCAATTTATC
 CCTTAATAGCCACATCAGAGTTGATTCTGGACACAAACCACATGAGTATCAGGAATATGGAGAGAAGCCA
 CATAACATAAAACACGTGGGAAAGCCTTCAGTTACCATCACTCCTTTTCAGTCGCGTGGAAAGCCTCACA
 CTGGAAAGAAACGCTATGAGTGAAGGAATGTGGAAAAACCTTCAGTTCTCGTAGAAACCTTCGAAGACA
 CATGGTAGTGCAAGGTGGAAATAGACCTTATAAATGTAAGTTGTGTGGGAAAGCTTTTTTTTGGCCAGT
 TTATTACGTATGCATGAAAGAACTCACACTGGAGAGAAACCGTATGAATGTAAGCAGTGTCTAAAGCCT
 TTCTTTTTACAGTTCCTATCGAAGACATGAGAGAATGCACACTGGGGAGAAACCGTATGAATGTAAGCA
 GTGTTCTAAAGCCTTGCCTGATTCCAGTTCCTATAAAGACATGAAAGAACTCACACTGGAGAGAAACCA
 TATACATGTAACAGTGTGGGAAAGCCTTCAGTGTTCAGTTCCTTCGAAGACATGAAACCACTCACA
 GTGCAGAGAAACCTATGAGTGAAGCAATGCGGGAAAACATTTTCATCATCTTGGAAAGCTTTTCAGATA
 CATGAAAGGCACACTGGAGATCGACCTCATAAATGTAAGATATGTGGGAAAGGCTTTGATCGTCCCAGT
 TTAGTTCGATATCATGAACGAATTCACACTGGAGAGAAACCTATGAATGCAAGCAGTGTGGGAAACGCT
 TATCTCATAGCTCAAGCTTTTGAAGACACATGATAATGCACACTGGAGGTGGACCTCATAAATGCAAGAT
 ATGTGGGAAAGCTTTTTGTTTATCCTAGTGTATGTCAAAGACACGAAAAGTCTCACAGTGGAGAGAAACCC
 TATGAATGCAAGCAGTGTGGGAAAGCCTTATCTCATAGCTCAAGCTTTTGAAGACATATGGAATGCATA
 CGGGAGATGGGCCGAATAAATGCAAGGTATGTGGGAAAGCCTTTGTTTATCCAGTGTATGTCAAAGACA
 TGAAGAACTCACTGGAGAGAAACAATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205426 protein sequence
 Red=Cloning site Green=Tags(s)

MDAVAFEDVAVNFTQEEWALLGPSQKNLYRYVMQETIRNLDCIRMIWEEQNTEDQYKNPRRNLRCHMVER
 FSESKDSSQCGETFSLIRDSIVNNSICPGEDPCQSAECEEVIMGHLNLNSHIRVDSGHPHEYQEYGEKP
 HTHKQRGKAFSYHHSFQSRGRPHTGKKRYECKEKGKTFSSRRNLRRHMVVQGNRPYKCKLCKGKFFWPS
 LLRMHERHTHTEKPYECKQCSKAFPFYSSYRRHERMHTGEKPYECKQCSKALPDSSYIRHERHTHTEKPY
 YTCQCGKAFSVSSSLRRHETTHSAEKPYECKQCGKTFHHLGSFQIHMKRHTGDRPHKCKICGKGFDRPS
 LVRYHERIHTGEKPYECKQCGKTLSSHSSFRRHIMMHTGGPHKCKICGKAFVYPSVCQRHEKSHSGEKP
 YECKQCGKALSSHSSFRRHVMHTGDGPNKCKVCGKAFVYPSVCQRHEKTHWRETI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6537_c07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_145276

ORF Size: 1428 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_145276.3](#)
RefSeq Size: 2786 bp

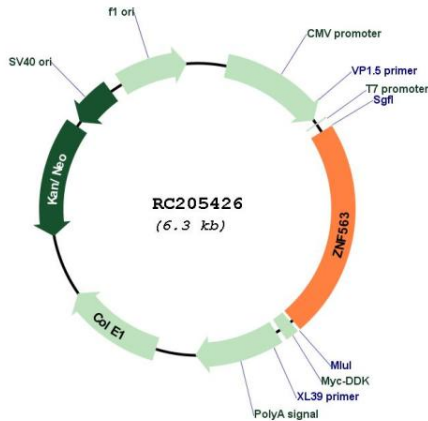
RefSeq ORF: 1431 bp

Locus ID: 147837

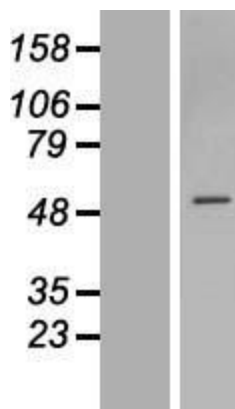
UniProt ID: [Q8TA94](#)

Cytogenetics: 19p13.2
Protein Families: Transcription Factors
MW: 55.4 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205426



Western blot validation of overexpression lysate (Cat# [LY408000]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205426 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).