

Product datasheet for **RC219774**

ZNF782 (NM_001001662) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF782 (NM_001001662) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF782
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC219774 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001001662, 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**CGATCGCC**

ATGAACACATTT**CAGGCCAGTGTCTCTTTCCAGGACGTGACCGTGGAGTTTAGCCAGGAGGAATGGCAAC**
 ATATGGGTCTGTAGAGCGGACTGTATAGGGATGTCATGTTGGAAAATTACAGCCATCTGGT**GAGCGT**
 GGGATACTGCTTACCAAGCCCAGCTGATTTTACCCTGGAACAGGGAGAAGACCCCTGGCTCCTGGAG
 AAAGAGAAGGGGTTTCTGTCTCGAAATCCCCTGAAGACAGCCAGCCTGACGAGATCAGCGAAAAGTCCC
 CAGAGAACCAGGGCAAACATCTCCTTCAGGTTCTTTTTACCAACAAGCTGCTTACTACAGAGCAGGAGAT
 CAGCGGAAAACCATATAATCGCGACATCAATATTTTTCGCGCCCGGATGATGCCATGCAAGTGCGACATT
 GCCGGTAGTGCTTGT**CAGGGATTGTCTCTGATGGCTCCCCACTGTCAATATAGTAAGGAAAAAGCTCACG**
 AAAGAAATGTCTGTGACAAGTGGCTTATCAGTATCAAGGACGGACGCACCAACACTCAGGAGAAAAGTTT
 CGCATATAGTAAGATTGTGAAAACGTTGCACCACAAAGAGGAGGTTATTCAGCATCAAACATACAAACC
 CTGGGACAGGATTTT**GAGTATAATGAGTCTCGAAGGCTTTCCTCGAGAAAGCCGCACTTGTGACATCTA**
 ACTCCACTCACCGAAGGGGAAGTCTACAACCTTAATAAATTCGGT**GAGAACAATAACGATAAGAGCAC**
 CTTTATCATTCTCAGAATATGAACCCAGAAAAATCCCACTACGAATTTAATGACACGGGCAACTGTTTTT
 TGCAGAATCACACATAAAACCCCTTACTGGAGGGAAGAGCTTCAGCCAGAAGAGCCACATTAGGGAAACACC
 ATAGGGTTCACATCGGGGTGAAACCTTT**CGAGTACGGCAATCCTTCAACCGCAATAGTACGCTGCCGGT**
 TCACCAGAGGACGCATGCCACCGATAAATATTCGACTACCACCCTGTACTGAAACCTT**CAGCTATCAG**
 TCTACCTTCTCAGTCCACCAGAAGTCCACATTCGCGCAAAGCCCTACGAATACAATGAGTGTGGAAAGT
 CCTGCAGCATGAATTCTCATCTTATATGGCCACAAAAGTCTCATA**CAGGCGAAAAGCCCTACGAGTGTCC**
 CGAATGCGGAAAGGCCTTCTCTGAGAAGAGCAGGCTGAGAAAACACCAAAGAACTCATA**CAGGAGAAAA**
 CCATAAAGTGCATGGTTGCGATAAAGGCCTTCTCCGCGAAGAGTGGATTGAGAATTCACCAGCGCACCC
 ACACCGGAGAAAAACCTTTGAGTGT**CAGGAGTGGCAAGATTTTAATTATAAAAGTATCCTTATCGT**
 GCATCAGCGGACCCATACAGGCGAGAAGCCTTTT**GAGTGAATGAGTGTGGCAAGAGTTTCAGTCACATG**
 TCTGGTCTGCGAAATCACCGGAGGACCCACACAGGAGAGCGCCCTATAAATGCGACGAGTGC**GGCAAGG**
 CTTTCAAGCTGAAAAGCGGCCTGCGCAAGCATCATCGAACGCACACAGGAGAGAAGCCTTACAAGTG**TAA**
 TCAGTGTGGCAAGGCATTTGGGCAGAAATCACAGCTGAGAGGACATCACAGAATTCATACCGGTG**AAAAAG**
 CCCTACAAATGCAACCACTGCGGTGAAGCCTTTCTCAGAAGAGCAATCTCCGAGTGCATCACAGAACTC
 ATACAGGAGAGAAACCC**TACCAGTGCAGGAGTGC**GGCAAGACTTTCGGGCAAAGAGTAATCTGAGAGG
 GCATCAAAGAACCATACTGGGGAAAAGCCGTATGAATGTAACGAATGCGGCAAGGCCTTCTCCG**AAAAG**
 TCCGTTCTGAGGAAACATCAGCGCACCCACACGGGTGAGAAACCTTATAACTGCAATCAGTGC**GGAGAGG**
 CGTTCTCTCAAAGTCCAACCTT**GAGGGTCCATCAACGCACGCATACCGGTGAAAAACCATATAAATGTGA**
 CAAATGCGGAAGGACCTTTT**CACAGAAGTCAAGTCTGAGGGAACATCAAAGGCCACCCCGGAGAT**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219774 representing NM_001001662
Red=Cloning site Green=Tags(s)

MNTFQASVSFQDVTVEFSQEEWQHMGPVVERTLYRDMLENYSHLVSVGYCFTKPELI FTLEQGEDPWLLE
 KEKGFLSRNSPEDSQPDEISEKSPENQGHLLQVLF TNKLLTTEQEISGKPHNRDINIFRARMMPCKCDI
 AGSACQGLSLMAPHCQYSKEKAHERNVCDKWLISIKDGRNTNTQEKSFAYSKIVKTLHHKEEVIQHQT
 LGQDFEYNESRKAFLEKAALVTSNSTHPKGSYFNKFGENKYDKSTFIIPQNMNPEKSHYEFNDTGNC
 CRITHKTLTGGKFSQKSHIREHHRVHIGVKPFEYKSFNRNSTLVPVHQRTHATDKYSDYHPCTETFSYQ
 STFSVHQKVHIRAKPYEYNECGKSCSMNSHLIWPQKSHTGEKPYECPECGKAFSEKSRLRKHQRTHTGEK
 PYKCDGCDKAFSAKSGRLIHRHTHTGEKPFECHECGKSFNYKSILIVHQRHTHTGEKPFECNECGKSF
 SHMSGLRNHRHTHTGERPYKDCGKAFKLSGLRKHHRHTHTGEKPYKCNQCGKAFGQKSQLRGHRIHTGEK
 PYKCNHCGEAFSQQSNLRVHHRHTHTGEKPYQCEECGKTFRQKSNLRGHQRHTHTGEKPYECNECGKAF
 SEKSVLRKHQRHTHTGEKPYNCNQCGEAFSQQSNLRVHQRHTHTGEKPYKCDKCGRTFSQKSSSLREHQK
 AHPGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001001662

ORF Size: 2097 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_001001662.1](#), [NM_001001662.2](#), [NP_001001662.1](#)

RefSeq Size: 4416 bp

RefSeq ORF: 2100 bp

Locus ID: 158431

UniProt ID: [Q6ZMW2](#)

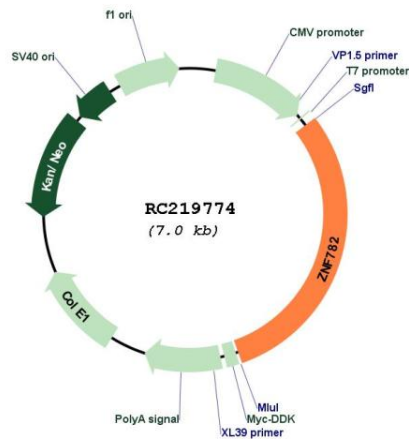
Cytogenetics: 9q22.33

Protein Families: Transcription Factors

MW: 80.9 kDa

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

Product images:



Circular map for RC219774