

## Product datasheet for **RC218827**

### ZNF419A (ZNF419) (NM\_001098491) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF419A (ZNF419) (NM_001098491) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF419A
Synonyms:	ZAPHIR; ZNF419A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC218827 ORF sequence, **codon optimized**.  
**Due to the complexity of NM\_001098491, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGCCGCCGCTCTCAGAGATCCAGCCAGGTCCCAGTCGCAGCAGACCTCCTGACCGACCAGGAG  
 AGCAGGGGTACGTGACTTTTGAAGACGTGGCCGTGACTTTCAGCCAGGAAGAGTGGCCGCTGCTGGATGA  
 TGCCACAGCGGCTGCTTTATAGAAATGTGATGCTCGAAAATTTACCTGCTGGCCAGCCTGGGCCTGGCC  
 TCCAGCAAACCCACGAAATCACCAACTTGAGAGCTGGGAAGAGCCTTTCATGCCAGCATGGGAAGTGG  
 TCACATCAGCCATCCCCAGGGGCTGTTGGCAGCGTGTGAGGCAGAAGAAGCACCTGAACAGATCGCCTC  
 AGTAGGCCTTCTGAGCTTAACATTCAGCAGCATCAGAAGCAGCACTGTGGCGAGAAGCCTCTGAAGCGG  
 CAGGAGGGGCGCCTTCCCGTGTCTCAGATCCTGTAAGGTTACCTGAGTAAAAAAGTCTGCAGTACGGG  
 AGGTGGGAAGGCCCTGCTGATTCTAGCGGGGTCTCAAACATCAGGTACCCACACTGGTAAAAAATC  
 TCATCGCAGCAGCAAGTCCCAGAGGCTTTCACGCGGGTAAACGGCACTACAAGTGTCTGAATGCGGA  
 AAGGCCTTCGGGCAGAAATACCTGCTGGTGCAGCACCAGAGGCTCCACGCAGGTAAGAACCTACGAAT  
 GTAGTGAATGCGGAAACTCTTTCGAGACATGTCTAATCTTTCATCCATCAGATTGTGCATACCCGGCGA  
 ACGACCGTACGGCTGCTCAACTGTGGCAAGTCTTCTCCAGAAATGCTCACCTGATCGAGCACCAGCGC  
 GTACACACGGGCGAAAAGCCATTCACTTGCAGTGTGAGTGTGGCAAGGCCTTTCGCCATAAATCCACTCTTG  
 TCCAGCACCAAGATCCATACCGGAGTAAAGACCTTACGAGTGTCTCAGAGTGTGGCAAGCTGTTAGCTT  
 TAACTCTCACTGATGAAGCATCAGCGAATACATACCGGAGAAAGACCGTACAAGTGTCCGAGTGCAGGA  
 AAATTCTACAGTCAAGTCCAACCTGATTAAGCACTGGCGGGTCCATACAGGGGAAAGACCCTACAAAT  
 GCAGTACTGTGGAAAGTCTTTCACACAATGCAGCTCCTTGATGCAACACCAGAAAGTCCATACTGGGGA  
 GAAACCATTTAAGTGAATGAGTGCAGGAAGATTTTCCGCGAGAACTCCACTCTCGTTCGACATCAGAGG  
 GTGCACACGGGAGCAAACCTATGAGTGCAGGAATGTGGTAAGTCTTTAGTGCAGAGCTCCACATTGA  
 TGCAACACGCAAGTGCATATAGGGGAGAAGCCCTTTAAGTGAATGAATGCGGGCGATTGTTTAGAGA  
 AAATCTTCCCTCGTAAAGCACCAGAGGTGCATACCGGGGCCAAACCTACGAGTGCCGAGAATGTGGA  
 AAGTCTTTCGGCACAACCTTCCCTGTCAAGCATAGGAGAATTCACACTGGCGAGATGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC218827 representing NM\_001098491  
 Red=Cloning site Green=Tags(s)

MAAAALRDPAQVPVAADLLTDHEEQGYVTFEDVAVYFSQEEWRLDDAQRLLYRNVMLNFTLLASLGLA  
 SSKTHEITQLESWEPPMPAWEVVTSAIPRCWHGAEAEAEPEQIASVGLLSSNIQQHQKQHCGEKPLKR  
 QEGRVPLRSCKVHLSEKSLQSREVGKALLISSGVLKHQVTHTGEKSHRSSKSREAFHAGKRHYKCECG  
 KAFGQKYLQVQRLHAGKKTIECSECGKLFKFRDMSNLFIHQIVHTGERPYGCSNCGKSFSRNAHLIEHQR  
 VHTGEKPFTECEGKAFRHNSTLVQHKKIHTGVRPYECSECGKLFNFSSLMKHQRIHTGERPYKCECG  
 KFYSHKSNLIKHWVHTGERPYKCSDCGKFFTQCSLQHQKQVHTGEKPFKNECGRFFRENSTLVRHQR  
 VHTGAKPYECRECGKFFSQSSTLMQHRKVHIGKPFKNECGRFFRENSSLVKHQVHTGAKPYECRECG  
 KFFRHNSLKFHRRHTGEMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001098491

**ORF Size:** 1533 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\\_001098491.1](#), [NP\\_001091961.1](#)

**RefSeq Size:** 2384 bp

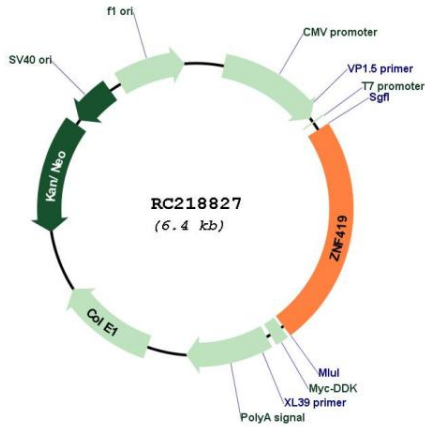
**RefSeq ORF:** 1536 bp

**Locus ID:** 79744

**UniProt ID:** [Q96HQ0](#)

Cytogenetics: 19q13.43  
 Protein Families: Transcription Factors  
 MW: 58.7 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC218827