

## Product datasheet for **RC213801**

### ZNF419A (ZNF419) (NM\_001098494) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF419A (ZNF419) (NM_001098494) 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:**

>RC213801 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_001098494, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGCGGCCGCTCTCCGGGATCCCGCCAGGTACCTGTGCGCCGCGACCTTCTGACCGATCATGAGG  
 AACAGGGCTATGTGACTTTCGAAGACGTGGCTGTATATTTCTCCAAGAAGAGTGCGCCTGCTGGATGA  
 TGCCACAGCGGCTGCTGTACCGGAATGTGATGCTCGAAAACCTCACCTTCTGGCCAGTCTGGGGTCTGG  
 CACGGAGCCGAAGCTGAAGAAGCTCCAGAACAATTCCTCTGTTGGCCTGCTCTCAAGCAATATCCAAC  
 AGCACCAGAAGCAGCACTGCGGCCGAGAAACCGCTTAAGAGGCAAGAAGGAAGAGTACCAGTCTGAGATC  
 TTGTAAGGTTTCATCTGTCCGAAAAATCCCTGCAGAGCAGAGAAGTGGGGAAGGCCCTGCTGATCAGCAGT  
 GGCGTTCTGAAGCATCAAGTTACCCACACAGCGGAGAAATCACACAGGTCTAGCAAGAGTAGGGAGGCAT  
 TCCACGCCGAAAAGAGACTACAAATGCAGCGAGTGCAGTAAGGCCCTTGGACAAAAATACCTCCTGGT  
 GCAGCACCAGCGACTCCATGCCGCAAGAAGACATACGAGTGCAGTGCAGTGCAGGAAACTGTTTCGCGAT  
 ATGTCTAACCTTTTTATTCACCAGATTGTCATACTGGGAGCGCCCTACGGATGTTCTAATTGTGGGA  
 AAAGCTTTAGCAGAAACGCCATCTGATAGAGCACCAGAGAGTGCATACAGGCGAAAAACCATTTACCTG  
 TTCAGAGTGCAGCAAGGCCTTCCGGCATAACTCAACATTGGTACAGCACCACAAAAATCCACACAGAGT  
 AGGCCCTATGAATGCTCTGAATGCGGAAAAATTGTTTTCATTCAATAGCAGCCTGATGAAGCACCAGAGGA  
 TACATACCGGAGAACGGCCATATAAGTGTCTCCAGTGCAGTAAATTCTATTACATAAGAGTAACCTGAT  
 TAAACATTGGAGGGTGCACACTGGGGAACGGCCTTATAAGTGTCCGATTGCGGTAATTTCTCACACAA  
 TGCTCTAGTCTCATGCAGCACCAGAAAGTGCATACCGGGGAGAAACCTTTAAGTGAACGAATGTGGGA  
 GGTCTTTTCGGGAAAATTTACTCTTGTGAGACATCAAAGGGTCCACACTGGTGCCAAACCATATGAATG  
 TAGGGAATGTGGAAAGTTTTTCAGTCAGAGTAGCACCTTATGCAGCACCAGAAAGTGCACATAGGAGAG  
 AAGCCATTCAAGTGAATGAATGCGGACGCTCTTCAGGAAAAACAGCTCTTTGGTTAAACATCAGCGGG  
 TCCATACCGGAGCTAAACCTACGAATGTCGCGAGTGTGGCAAAATCTTCCGCCATAATTCTCCCTCTT  
 CAAACATCGGCGGATCCATACAGGGGAGATGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC213801 representing NM\_001098494  
 Red=Cloning site Green=Tags(s)

MAAAALRDPAPVPAADLLTDHEEQGYVTFEDVAVYFSQEEWRLDDAQRLLYRNVMLENFTLLASLGCW  
 HGAEAEAEPEQIASVGLSSNIQQHQKQHCGEKPLKRQEGRPVLRCKVHLSEKSLQSREVGKALLISS  
 GVLKHQVHTGKSHRSSKSREAFHAGKRHYKCECGKAFGQKYLQVHQRLHAGKKTIECSECGKLF  
 MSNLFIHQIVHTGERPYGCSNCGKFSRNAHLIEHQRVHTGKPFCTSECGKAFRHNSTLVQHHKIHTGV  
 RPYECSECGKLSFNSSLMKHQRIHTGERPYKCECGKFYSHKSNLIKHWVHTGERPYKSDCGKFFFTQ  
 CSSLMQHQVHTGKPFKNECGRFFRENSTLVRHQRVHTGAKPYECRECGKFFSSTLMQHRKVHIGE  
 KPFCNECGRLFRENSSLVKHQRVHTGAKPYECRECGKFFRHNSSLFKHRRRIHTGEMQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001098494

**ORF Size:** 1434 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\\_001098494.1](#), [NP\\_001091964.1](#)

**RefSeq Size:** 2285 bp

**RefSeq ORF:** 1437 bp

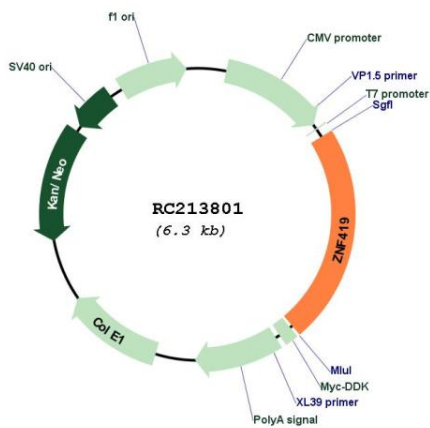
**Locus ID:** 79744

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

**Cytogenetics:** 19q13.43

Protein Families: Transcription Factors  
 MW: 55 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC213801