

Product datasheet for **RC223388**

ZNF419A (ZNF419) (NM_001098496) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF419A (ZNF419) (NM_001098496) 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:

>RC223388 ORF sequence, **codon optimized**.
Due to the complexity of NM_001098496, 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**

ATGGCTGCTGCGGCTTTGCGGGACCCAGCCAGGGATACGTGACATTCGAGGACGTGGCAGTTTACTTCT
 CTCAAGAAGAGTGGCGGCTGCTCGACGATGCACAGAGACTGCTTATCGCAACGTTATGCTCGAAAACCT
 CACCCTGTTGGCCAGTCTGGGCTGCTGGCATGGGGCTGAGGCCGAAGAAGCCCCAGAGCAGATCGTTCT
 GTGGTCTGTTGTCAAGTAATATCCAGCAGCACCAGAAGCAGCATTGCGGAGAAAAACCCCTGAAAAGAG
 AGGAAGGGCGCGTGCCCGTGCTTCGATCATGCAAAGTACATCTCAGTGAGAAGTCTCTGCAAAGTAGAGA
 AGTAGGCAAAGCCCTGCTGATCTCTTCAGTGTGTTGAAGCACCAAGTGACTCATACAGGCGAGAAGTCT
 CATCGCAGCAGTAAGAGCAGGGAAGCTTCCACGCCGGGAAGCGCCACTACAAGTGTAGCGAGTGGGGGA
 AAGCATTCCGTCAGAAGTATCTTTGGTGCAGCACCAGCGGCTGCATGCCGGCAAAAAACGTACGAATG
 CTCAGAATGCGGGAAACTGTTTAGGGATATGAGCAACCTTTTCATACATCAAATCGTCCATACCGGAGAA
 AGACCTTACGGATGTTCAAATTCGGTAAGTCTTCAGCAGGAACGCACACCTGATTGAACACCAGCGCG
 TGCACACGGGAGAAAAACCTTTACCTGTTCCGAGTGGGCAAGGCGTTTAGACATAATTCTACGCTGTT
 ACAGCATCATAAAATCCACACTGGGGTTAGGCCCTTATGAGTGTTCAGAATGTGGCAAACCTGTTCTGTTT
 AACTCTAGTCTGATGAAACACCAACGCATACACACCGCGGAGCGACCATATAAATGCTCCGAGTGTGGCA
 AGTTTTACTCTCACAAAGCAATCTGATCAAACATTGGAGAGTCCACACCGGAGAGCGACCTATAAGTG
 TAGCGACTGTGGCAAATCTTCACGCGAGTCTCCTCACTGATGCAGCATCAGAAAGTCCACACCGGTGAG
 AAGCCCTTCAAATGTAATGAATGCGGCAGATTCTTTGGGAGAATTCAACTTTGGTTCGCCACCAGCGAG
 TGCATACGGGCGCAAAGCCGTATGAGTGCAGAGAGTGGGGAATTTCTTCTCAATCCTCCACTCAT
 GCAGCACCGGAAAGTGCACATCGCGGAAAAGCCCTTCAAGTGAACGAGTGTGGGAGGCTCTTCGCGAA
 AACAGCTCATTGGTGAAGCATCAGCGGGTCCACACCGGGGCTAAGCCCTACGAATGCAGGGAGTGGCGCA
 AATTCTTCGACACAACCTCCAGTCTCTCAAGCATCGGCGGATTCATACAGGAGAAATGCAA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223388 representing NM_001098496
 Red=Cloning site Green=Tags(s)

MAAAALRDPAQGYVTFEDVAVYFSQEEWRLDDAQRLLYRNVMLNFTLLASLGCWHGAEAEAEPEQIAS
 VGLLSSNIQQHQKQHCGEKPLKRQEGRPVLRSCVHLSEKSLQSREVGKALLISSGVLKHQVHTHTGEKS
 HRSSKSREAFHAGKRHYKCSECGKAFGQKYLQVQHRLHAGKTYECSECGKLFDRMSNLFIHQIVHTGE
 RPYGCSNCGKFSRHAHLIEHQRVHTGKPFCTSECGKAFRHNSTLVQHHKIHTGVRPYECSECGKLF
 NSSLMKHQRIHTGERPYKCSECGKFYSHKSNLIKHWVHTGERPYKSDCGKFFTQCSSLMQHQVHTGE
 KPFCNECGRFFRENSTLVRHQRVHTGAKPYECRECGKFFSQSSTLMQHRKVHIGKPFKNECGRLFRE
 NSSLVKHQRVHTGAKPYECRECGKFFRHNSSLFKHRRRIHTGEMQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001098496

ORF Size: 1392 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_001098496.1](#), [NP_001091966.1](#)

RefSeq Size: 2243 bp

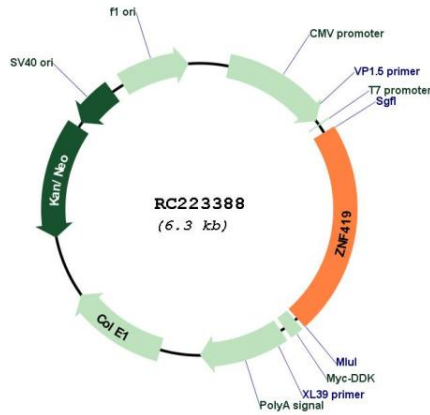
RefSeq ORF: 1395 bp

Locus ID: 79744

UniProt ID: [Q96HQ0](#)

Cytogenetics: 19q13.43
 Protein Families: Transcription Factors
 MW: 53.5 kDa
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223388