

Product datasheet for **RG203356**

ZNF419A (ZNF419) (NM_024691) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF419A (ZNF419) (NM_024691) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF419
Synonyms:	ZAPHIR; ZNF419A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203356 representing NM_024691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGGCCGCCCTGAGGGACCCCGCTCAGGTTCTGTGGCTGCAGACTTGCTTACAGACCATGAGG
 AGGGCTATGTGACCTTTGAGGATGTGGCTGTCTACTTCTCCCAGGAGGAATGGAGATTGCTTGATGACGC
 TCAGAGGCTCCTCTACCGCAATGTGATGCTGGAGAACTTTACACTTCTGGCCTCTCTGGGACTTGATCT
 TCCAAGACCCATGAAATAACCCAGCTGGAGTCATGGGAGGAGCCCTTCATGCCTGCTTGGGAAGTTGTGA
 CTTCAGCCATACCGAGAGGTTGTTGGCATGGAGCCGAGGCTGAGGAGGCTCCTGAGCAGATTGCTTCTGT
 AGGACTGCTCAGTTCAACATTCAGCAACACCAGAAGCAGCACTGTGGAGAGAAACCTTAAAAAGACAA
 GAGGGCAGGGTCCAGTTTTGAGGAGTTGCAAAGTTCACCTATCAGAGAAGTCTTGCAAAGCAGGGAGG
 TTGGGAAGGCCCTCTGATCAGCTCAGGTGTTCTCAAGCACCAGGTGACTCACACAGGAGAGAAGTCACA
 TAGGAGCTCCAAAAGTAGGGAGGCTTTTATGCTGGAAAAAGGCATTACAAATGCAGTGAATGTGGGAAA
 GCCTTTGGTCCAGAAATATTTACTTGTTCAGCACAGAGACTACATGCTGGAAAAAGACGTATGAATGCA
 GTGAATGTGGGAAGTTATTTAGAGATATGTCCAACCTTTTTATACACCAATAGTTCACACTGGAGAAA
 GCCTTACGGGTGTAGTAAGTGTGGAAAATCCTTTAGCCGTAATGCTCACCTCATTGAACACCAGAGAGTT
 CACTGGAGAAAAGCCTTTTACATGCAGTGAATGTGGAAAAGCTTTCAGGCATAATCCCACTTGTTT
 AGCATCAAAAATCCCACTGGAGTAAGGCCTTATGAGTGCAGTGAATGTGGAAAATGTTTGTGTTTCAA
 CTCCAGCCTCATGAAACATCAGAGAATTCACACTGGAGAAAAGCCTTATAAGTGCAGTGAATGTGGAAA
 TTCTATAGCCACAAGTCCAACCTTATCAAACATGGCGTGTTCATACTGGAGAAAAGCCTTACAAGTGA
 CGGACTGTGGGAAATTTTTTACCCAATGCTCAAGCCTCATGCAACATCAAAAAGTTCACACTGGAGAAA
 GCCTTTTAAAGTGAATGAATGTGGGAGATTCTTTAGAGAGAATTCACCCTAGTTAGACATCAGAGGGTT
 CACTGGAGCAAAGCCTTATGAGTGCAGGAATGTGGGAAATTTTTTAGCCAAAGCTCAACCTCATGC
 AACATCGAAAAGTTCACATTGGAGAAAAGCCTTTTAAAGTGAATGAATGTGGGAGATTGTTTAGAGAGAA
 TTCCAGCCTTGTAAACATCAGAGGTTTCACTGGAGCAAAGCCTTATGAGTGCAGGAATGTGGGAA
 TTTTTCGCCACAACCTCAGTCTTTTTAAACATCGAAGGATTCACACTGGAGAAATGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203356 representing NM_024691
 Red=Cloning site Green=Tags(s)

MAAAALRDPAQVPVAADLLTDHEEGYVTFEDVAVYFSQEEWRLDDAQRLLYRNVMLNFLLASLGLAS
 SKTHEITQLESWEEPFMPAWEVVTSAIPRCWHGAEAEAEPEQIASVGLLSSNIQQHQKQHCGEKPLKRQ
 EGRVPLRSCKVHLSEKSLQSREVGKALLISSGLVHKQVHTHTGEKSHRSSKSREAFHAGKRHYKCECGK
 AFGQKYLLVQHQLHAGKKTIECSECGKLFSDMSNLFIHQIVHTGERPYGCSNCGKFSRHAHLIEHQRV
 HTGEKPFTECSEGKAFRHNSTLVQHKKIHTGVRPYECSECGKLFNFSSLMKHQRIHTGERPYKCECGK
 FYSHKSNLIKHWRVHTGERPYKSDCGKFFTCSSLMQHVKVHTGEKPFKCNCEGRFFRENSTLVRHQRV
 HTGAKPYECRECGKFFSQSSTLMQHRKVIHGEKPFKCNCEGRLFRENSSLVKHQRVHTGAKPYECRECGK
 FFRHNSSLFKHRRHTGEMQ

TRTRPLE – GFP Tag – V

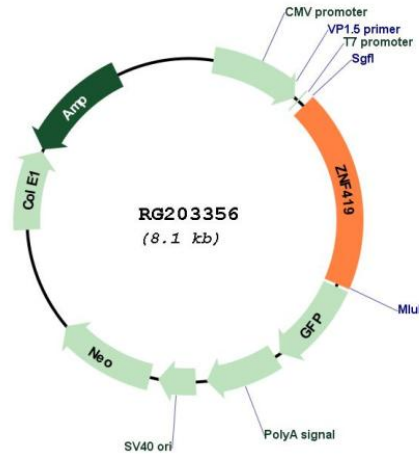
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_024691

ORF Size: 1530 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_024691.4](#)

RefSeq Size: 2381 bp

RefSeq ORF: 1533 bp

Locus ID: 79744

UniProt ID: [Q96HQ0](#)

Cytogenetics: 19q13.43

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

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