

Product datasheet for **SC101064**

ZC3HAV1 (NM_024625) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3HAV1 (NM_024625) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZC3HAV1
Synonyms:	ARTD13; FLB6421; PARP13; ZAP; ZC3H2; ZC3HDC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC101064 sequence for NM_024625 edited (data generated by NextGen Sequencing)

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ATGGCGGACCCGGAGGTGTGCTGCTTCATCACCAAAATCCTGTGCGCCACGGGGCCGC
ATGGCCCTGGACGCGCTGCTCCAGGAGATCGCGCTGTCTGAGCCGAGCTCTGTGAGGTG
CTGCAGGTGGCCGGGCCGACCGCTTTGTGGTGTGGAGACCGGGCGGAGGCCGGGATC
ACCCGATCGGTGGTGGCCACCCTCGAGCCCGGTCTGCCGTGCAAGTACTGCCAGAGA
CCCTGCGATAACCTGCATCTCTGCAAACCTCAACTTGTGGCCGGTCAACTATTTCGCAG
TCCGAGCGGAATTTATGCAAATATTCTCATGAGGTTCTCTCAGAAGAGAAGTCAAAGTC
CTGAAAAATCACGAACTCTCTGGACTGAACAAAGAGGAATTAGCAGTGCTCCTCCTCAA
AGTGATCCTTTTTTATGCCGAGATATGCAAAAGTTATAAGGGAGAGGGTGGCAGCAG
ATTTGTAACCAGCAGCCACCGTGTCAAGACTCCACATCTGTGACCACTCACCCGAGGG
AACTGTCGTTTTCCAACTGCCTCCGGTCCATAACCTGATGGACAGAAAGGTGCTGGCC
ATCATGAGGGAGCACGGGCTGAACCCGACGTGGTCCAGAACATCCAGGACATCTGCAAC
AGCAAGCATGCAGAAGAATCCCCAGGGCCAGAGCTCCTTCTCACATCGTAGAAAC
ATGGCATATAGGGCTAGAAGCAAGAGTAGAGATCGGTTCTTTAGGGCAGCCAAGATTT
CTTGCGTCTGCTTCAGCGTCTGCTGAGAGGTCCTGCACACCTAGTCCAGATCAGATCAGC
CACAGGGCTTCCCTGGAGGACGCGCCTGTGGACGATCTCACCCGCAAGTTCACGTATCTG
GGGAGTCAAGATCGCGCTCGGCCTCCCTCAGGCTCGTCCAAGGCTACTGATCTTGAGGA
ACAAGTCAAGCCGGGACAAGCCAGAGGTTTTAGAGAACGGCAGTCAAGAGGACCTTTG
CATGGAATCCAGGCAGCACTTACCTTGCTTCCAATTCAACATCAGCCCCAACTGGAAG
AGCCTCACATCCTGGACGAATGACCAAGGCGCCAGGAGAAAGACTGTGTTTTCTCCCAGC
CTACCTGCCGCCGCTCTTCTCTGGCTCTCTGCAAACACCTGAAGCTGTGACCACCAGA
AAGGGCACAGGCTTGCTTTCTCCTCAGACTACAGGATCATCAATGGCAAAAGTGAACCTCAG
GACATCCAGCCTGGCCCTTTTTTAATAATAATGCTGATGGAGTGGCCACAGATAAAT
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TGTGATTCCTTTCCCATCCGACGCTCTCCACTCCTTCTCTGTACCAAGCCAGCCAAT
TCTGTCTTACCACCAAATGGATTTGGTATTGGAAGAATGAATCTGGCACATGGATTCAG
TATGGAGAAGAGAAAGACAAACGGAAAAATTCAAACGTCGACTCTTCATACCTGGAGTCT
CTCTATCAATCCTGTCCGAGGGGAGTTGTGCCATTTTCAGGCGGGCTCACGGAATATGAG
CTGAGTTTCCAAGGGATGATTGAGACAAACATAGCTTCCAAAACCTCAAAGGATGTCATC
AGAAGACCAACATTTGTGCCTCAGTGGTATGTGCAGCAGATGAAGAGAGGGCCAGAGTAA

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Clone variation with respect to NM_024625.3
 1454 g=>a;1695 c=>g

5' Read Nucleotide Sequence: >OriGene 5' read for NM_024625 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCCCGCGCCGCGGCAGAG
 CCAGCACAGCCAGCGCCGATGGCGGACCCGGAGGTGTGCTGCTTCATCACAAAATCCT
 GTGCGCCACGGGGGCCGATGGCCCTGGACGCGCTGCTCCAGGAGATCGCGCTGTCTGA
 GCCGACGCTCTGTGAGGTGCTGCAGGTGGCCGGGCCCCACCGCTTTGTGGTGTGGAGAC
 CGGCGCGGAGGCCGGGATCACCCGATCGGTGGTGGCCACCACTCGAGCCCGGGTCTGCCG
 TCGCAAGTACTGCCAGAGACCCTGCGATAACCTGCATCTCTGCAAACCTCAACTTGTGGG
 CCGGTGCAACTATTCGAGTCCGAGCGGAATTTATGCAAATATTCTCATGAGTTCTCTC
 AGAAGAGAACTTCAAAGTCTGAAAAATCACGAACTCTCTGGACTGAACAAAGAGGAATT
 AGCAGTGTCTCTCTCAAAGTATCCTTTTTTTATGCCGAGATATGCAAAAGTTATAA
 GGGAGAGGGTCGGCAGCAGATTTGTAACACGACGACCCGTTCAAGACTCCACATCTG
 TGACCACTTCACCCGAGGAACTGTCGTTTTCCAACCTGCCTCCGGTCCCATAACCTGAT
 GGACAGAAAGGTGCTGGCCATCATGAGGGAGCACGGGCTGAACCCCGACGTGGTCCAGAA
 TCATCCAGGACATCTGCACAGCAAGCACATGCAGAAGAATCCCCAGGGCCAGAGCTNCT
 TCNTCACATCGTAAAAACATGGCATATAGGGCTAGAAGCAGAGTAGAGATCGGNTCTTTC
 AGGGCAGNNCAGATTNCTTGCGTCTGCTTCANCGCTGCTGAGAGGTCTGCACACTAGTCA
 GATCAGACAGCACAGNCTCCCCTGAGACGCGCTGTTGCGATCTACCGCAGTCACTTCTCT
 TGAG

3' Read Nucleotide Sequence: >OriGene 3' read for NM_024625 unedited
 GGAGAGTCGCGGGGTGGGGGCGCGGGAAATTTGGGGTTTCGCNCTTTNCCCCNNN
 NCCNNNCGCGCCCCGGTTTTGGTCCCCTGTTCTTTTCCGGGGGGCGTTACAAGGAA
 CCCCCCGGCCACGTTTTCTTTAAAATCCCTTCAATCGGATTATCTCTACCAAAACCCT
 TGCTCTAACAGCTAGCTCATGCCTTTTTCTATCTTTGTGCGGCCCTCATCCTTTAT
 AACATCTTGTAGCGAAAACAAGAGGACACCGCAAAAAATCCACAGCAAAGCCAGGCACG
 GTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGACTGAGGTAGGAGGATCACTTGAGCT
 CAGGAGTTCAAGACCAGCCTGGGCAACAAAGTGAGACCCCTCTAAAAAAAAAAAAAAAA
 AAAAAGAATCCACAGCAAAACAAAACCCAGTATATGATTATCCTTAGGGGTACCGG
 CATCAATCCAGCTTTACCAGCCGAAAAGCTAAAGCCCAGAGTAGTTAGGAAACTCGCTC
 AGACTTCGTTTTGAAAAAGAAAACACGTGCCCGATCTAGTATCCTTTCAGAACACACC
 GCTGGCTTAACAACATCCTTAATTCACGCATAATGCCATACGCGAAACCGGCCAGAGAA
 GGGCCACCAGGAACTTTATCGGAAAACAGGCCCCAGAAAGCCGAGAAGGGAATTGGTG
 AAGCCCCGGGAACGGAAGAAGCTAAAGCAATAGTGACAACAAACAACGGGCTCCAGAA
 AAACATTACAGGGGGCCCTGTCTTACATCGGGGGGACATCCACTGGAAGGCCAAAGTGT
 GAGTCACGAGAGAAAAACCCCTTGAAGTCTGAAAAGCCTTGTGGTGACGGGAACAACCC
 CGAGGAGAAACGACTGTATAATTCAGGGGAACCGACATAGATGGGCCGGCCG

Restriction Sites: ECoRI-NOT
ACCN: NM_024625
Insert Size: 3000 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_024625.3](#), [NP_078901.3](#)

RefSeq Size: 3218 bp

RefSeq ORF: 2100 bp

Locus ID: 56829

UniProt ID: [Q7Z2W4](#)

Cytogenetics: 7q34

Domains: zf-CCCH

Gene Summary: This gene encodes a CCCH-type zinc finger protein that is thought to prevent infection by retroviruses. Studies of the rat homolog indicate that the protein may primarily function to inhibit viral gene expression and induce an innate immunity to viral infection. Alternative splicing occurs at this locus and two variants, each encoding distinct isoforms, are described. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region and lacks several downstream exons, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus compared to isoform 1.