

## Product datasheet for **RC238819**

### ZCCHC7 (NM\_001289121) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZCCHC7 (NM_001289121) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZCCHC7
Synonyms:	AIR1; HSPC086
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC238819 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTGGTGGCTATGAGACTATAGAAGCATACGAAGATGATCTTTATCGAGATGAGTCATCTAGTGAAC  
 TGAGTGTGATAGTGAGGTGGAATTTCAACTCTATAGCCAAATCATTATGCCAAAGATCTTGATGATGT  
 CATCAGGGAGGAAGAGCATGAAGAAAAGAACTCTGGGAATTCGGAATCTTCGAGTAGTAAACCAATCAG  
 AAGAAGCTAATCGTCCTTTAGATAGTGAGGTCATCCAGCTGTCAGATGGGTGAGAGGTCATCACTTTGT  
 CTGATGAAGACAGTATTTATAGATGTAAGGAAAGAAATGTTAGAGTTCAAGCACAAAGAAAATGCCCATGG  
 TCTTTCTTCTTCTTCAATCTAATGAGCTGGTTGATAAGAAATGCAAGAGTGATATTGAGAAGCCTAAA  
 TCTGAAGAGAGATCAGGTGTAATCCGAGAGGTCATGATTATAGAGGTGAGTTCAAGTGAAGGGAAGAGA  
 GCACCATTTCAGAAGGTGATAATGTGAAAGCTGGATGCTACTGGGATGTGAAGTAGATGATAAAGATGA  
 TGATATCCTTCTCAACCTTGTGGGATGTGAAAACCTCTGTTACTGAAGGAGAAGATGGTATAAACTGGTCC  
 ATCAGTGACAAAGACATTGAGGCCAGATAGCTAATAACCGAACACCTGGAAGATGGACCCAGCGGTA  
 ATTCAGCCAACAAAAACATTATCTGTAGAAATGTGACAAACGTGGTCATTTATCAAAAACTGCCCCTT  
 ACCACGAAAAGTTCGTCGCTGCTTCTGTGCTCCAGGAGAGGACATCTCCTGTATTCTGTCCAGCCCC  
 CTTTGGGAATACTGTCCTGTGCCAAGATGTTGGACCACTCATGTCTTTTCAGACATTCCTGGGATAAAC  
 AGTGTGACCGATGTCATATGCTAGGCCACTATACAGATGCTTGCACAGAAATCTGGAGGCAGTATCACCT  
 AACGACCAACCTGGACCACCAAAAAGCCGAAGACCCCTTCAAGACCATCAGCCTTAGCATATTGCTAT  
 CACTGCGCGCAAAAAGGCCATTATGGACACGAATGTCCAGAAAGAGAAGTGTATGACCCGTCTCCAGTAT  
 CTCCATTCATCTGCTACTATGATGACAAATATGAAATTCAGGAGAGAGAAAAGAGACTAAAACAAAAAT  
 AAAAGTACTCAAGAAAAATGGGGTTATCCAGAGCCATCCAAGTACCTTATATAAAAGCAGCAATGAG  
 AACCCCCACCATGATATAAGGAAGGGCCGTGCCTCATGAAAAGCAACAGGTGGCCTCAAGAAAAATAAG  
 AAACACAAAAAGAAATGAAGAACAAGAATAGAAACTGGGAGAAGCACAGGAAGGCTGACAGACATCGTGA  
 AGTGGATGAGGATTTTCCAGGGGCCCAAAACCTACTCTTCTCCTGGCAGTTTTAAACCCAGAAGCCT  
 TCTAAGCCCTTTCACCGTTCATCACATTACCACACGTCAAGAGAAGACAAGTCTCCCAAGGAAGCAAGA  
 GGGCAAGCAGAAGAAAAAGGAGAGGTGCTGGGAAGATGATGACAATGATAACTATTTCTTATTAAGCA  
 GAGAAAAAAAAGTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238819 protein sequence  
 Red=Cloning site Green=Tags(s)

MFGGYETIEAYEDDLYRDESSSELVSDSEVEFQLYSQIHYAQDLDDVIREEEHEEKNSGNSSESSSKPNQ  
 KKLIVLSDSEVIQLSDGSEVITLSDSDSIYRCKGNVRVQAQENAHGLSSSLQSNELVDKCKSDIEKPK  
 SEERSGVIREVMIIEVSSSEEEESTISEGDNVESWMLLGCEVDDKDDILLNLVGCENSVEGEDGINWS  
 ISDKDIEAQIANNRTPGRWTQRYYSANKNIIICRNCDKRGHL SKNCPLPRKVRRFCFSRRGHLLYSCAP  
 LCEYCPVKMLDHSCLFRHSWDKQCDRCHMLGHYTDACTEIWRQYHL TTKPGPPKPKTPSRPSALAYCY  
 HCAQKGHYGHECPEREVYDPSVSPFICYDDKYEIQEREKRLKQKIKVLKKNNGVIPEPSKLPYIKAANE  
 NPHHDIRKGRASWKSNRWPQENKETQKEMKNKRNWEKHRKADRHREVEDEFPRGPPTYSSPGSFKTQKP  
 SKPFHRSSHYSREDKSPKEGKRGKQKKKERCWEDDDNDNLFLIKQRKKKS

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6510\\_b12.zip](https://cdn.origene.com/chromatograms/mk6510_b12.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001289121

**ORF Size:** 1626 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\\_001289121.1](#), [NP\\_001276050.1](#)

**RefSeq Size:** 2846 bp

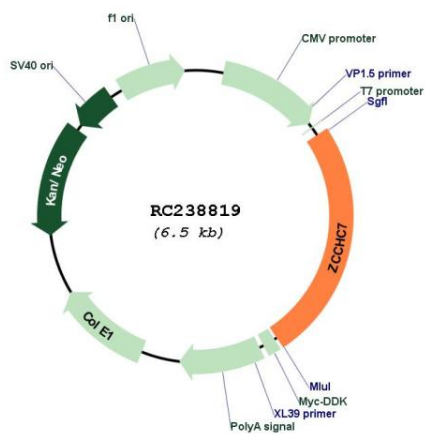
**RefSeq ORF:** 1632 bp

**Locus ID:** 84186

**UniProt ID:** [Q8N3Z6](#)

Cytogenetics: 9p13.2  
 Protein Pathways: RNA degradation  
 MW: 62.9 kDa

**Product images:**



Circular map for RC238819