

## Product datasheet for **SC317861**

### ZCCHC4 (NM\_024936) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZCCHC4 (NM_024936) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZCCHC4
Synonyms:	HSPC052; ZGRF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC317861 representing NM\_024936.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCGGCCTCCAGGAATGGGTTTGAAGCCGTGGAGGCAGAGGGCAGCGCAGGGTGCCGGGAAGCTCG
GGAAATGGAGGTGGTGCCTTCCCTTTGGATCCTGCCGTCCCGCCCGCTGTGCCCTCACGGACCCACTCTT
CTGTTTGTAAAGGTGACCCAAGGAAAGAAGAACTCGGAGGTTTTATGCCTGTTACGCCTGTAGAGAT
AGAAAAGACTGTAAATTTTTTTCAGTGGGAAGATGAAAAGTTGTCAGGAGCTAGACTTGTGCCCGAGAA
GCTCATAACCGAAGATGTCAGCCTCCCCTGTCCCGAACGCAGTGTGTGGAAGGTAAGTGAAGTTTATT
GAGTTGCCCTTGACTCAGAGAAAGTTTTGTCAAACATGTCAGCAGTTGTTGTTACCAGATGACTGGGGG
CAACATAGTGAGCATCAGGTTCTGGGTAATGTGTCCATTACCCAGTTAAGAAGGCCCAGTCAACTCCTT
TATCCACTGGAACAAGAAGACAAATGCCAGTATCTGTTTGTGATCGGAGCTGCAGTTCTTGGTA
GACTTACTTTCTGCCCTCGGATTCAGAAGACTGTGTGTTGGAACACCAAGGTTGCATGAGCTGATC
AAGTTGACAGCATCAGGTGACAAGAAGTCTAACATTAAGGCCTTTTATTGGATATTGATTTTCGGTAT
TCACAGTTTTATATGGAAGATAGCTTTTCCATTATAATATGTTTAAACATCATTCTTTGATGGAAG
ACTGCCCTTGAAGTATGCAGAGCATTTTACAGGAAGATAAAGGCCGAAGGAATCATTATGGTGACGGAT
CCTCCGTTTGGTGGCTTGGTTGAACCTCTGGCTATTACATTCAAGAAGTTAATTGCTATGTGAAAGAA
GGTCAAAGCCAAGATGACAGTCACAAAGAACTACCCATTTTCTGGATTTTCCCCTATTTTTTGAATCC
CGAATTTGTCAGTTTTTCCAAGCTTCCAGATGCTGGATTACCAGGTAGATTATGATAATCATGCACTT
TATAAACACGGAAAGACAGGTGCAAAACAGTCTCCCGTGGTATTTTACCAACATTCGCCCAACAAA
ATAATCCTTCTACTGAAGAAGGGTACAGATTTTGTCTCCGTGCAACGGTATGTTTCTCTAGAGAAT
CAACACTGTGAGCTCTGTAATTTTGCACATCCAAGGATGGCAGGAAATGGAACCATGCTTTCTCTGT
AAAAAGTGTGTAAGCCTTCTGGATCCACTGTAGCATCTGCAATCACTGTGCTGTTCCAGATCATTCT
TGTGAGGGCCCCAAACATGGCTGCTTTATTTGTGGTGAAGTGGATCATAAACGCAGTACTTGTCTAAC
ATTGCTACATCTAAGAGAGCTAACAAAGCTGTCAGAAAGCAGAAGCAAAGAAAAAGTAATAAGATGAAA
ATGGAGACCACGAAAGGACAATCCATGAATCATACATCTGCTACAAGGAGAAAGAAAAGGAGGAAAGA
GCCCATCAATATCTTGGCTCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_024936

**Insert Size:** 1542 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_024936.2](#)

**RefSeq Size:** 2814 bp

**RefSeq ORF:** 1542 bp

**Locus ID:** 29063

**UniProt ID:** [Q9H5U6](#)

**Cytogenetics:** 4p15.2

**Domains:** zf-CCHC

**MW:** 59 kDa

**Gene Summary:** rRNA N6-methyltransferase that specifically methylates the adenine in position 4220 of 28S rRNA (PubMed:30531910). N6-methylation of adenine(4220) in 28S rRNA is required for translation (PubMed:30531910).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).