

Product datasheet for **MR220031**

Zcchc4 (NM_030185) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zcchc4 (NM_030185) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zcchc4
Synonyms:	4930449I23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR220031 representing NM_030185
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGCCCATGGACTGTCTTGAGTCCCTGGAGGTGATGGCGACGCGGGCGTAGGGCGTCCGGGG
 TAGAGGTGGCGCTTCCCTCGAACCCACGGCTCCTGCCCGCTGTGCCGCACGGCCTACTCTTCTTT
 TGTAAAAGTGAACCAAGGAAGGAAGAAACACGAAAGTTTTATGCCTGCTCAGCCTGTAGAGATAGAAAA
 GACTGTAACCTTTTTTTCAGTGGGAAGATGAAAAGTTGTGAGAAGCTAGACTTGCTGCCGAGAAAATCATA
 ATCAAAAATGCCAGCCTCCTCTATCCCGGGCACAATGCATAGAAAAGTACCTGAGTTTCATTAGTTGCC
 CTTGGCTCAAAGAAAGTTCTGTCAAAGTTGCCAGCAGTTGCTGTTACCTGCAGACTGGAGGGAGCACGGC
 ACGCATCAGCTGTAGCTGACATTTCTGTGCCAGCTTGAAGGCCAGTCAGCTGCTCTACCCACTGG
 AGAACAAGAAGACGCACGCCAGTACCTGTTTGTGACAGGAGCTGCCAGTTTCTGGCAGGCCTCCTTGC
 TACCTCGGATTCAGCAGAGTGTGTGTGTTGGAGCACAAGGCTCCACGAGCAGATCAGGCTAACAGCA
 TCAGGTGAGAGGTCCGGCATGAGGAGCCTTTTATTGGACATTGACTTTCGATATTCACAGTTTTACTTGG
 AAGGAAGCTTTTGCCGCTATAACATGTTCAACCATCATTTCTTTGATGGAAGGCTGCCCTTGAAGTGTG
 CAAGGAATTTTACAGGAAGAGGAAGGCAAGGGGGTATTATGGTGACAGACCCTCCCTTTGGCGCTTG
 GTGGAACCTCTGGCTATTACATTCAGAAGTAAATGCTATGTGGAAGAAGGTCAAAGCCAAGATGACA
 GCCACAAAAGACTGCCATTTTCTGGATTTTCCCTATTTTTTGAATCACGGATTTGTGAGTTTTTCCC
 GAGCTTCTGCATGCTGGATTACCAGTGGATTATGATAATCATGCGCTTTACAAACATGGAAGACAGGT
 CGAAAACAGTCTCCTGTCCGAATTTTACCAACGTTCCACCAACAAAATAATCCTTCCATCAGAGGAAG
 GATACAGATTTTGTCCCTCTGTGAGATATGCTCTCGTGAGAACCAGCACTGTGTGCAATTGTAATTC
 TTGCACATCCAAGGACGGCAGGAAATGGAGCCATTGCTTTCTCTGCAAAAAGTGTGTAAGCCTTCTCTGG
 ATCCATTGTAACCTGCAATCGCTGTGCACTCCAGACCATTCTGTTTGGGGCCTAAAGATGGCTGCT
 TTATTTGTGGTGCCTGGATCACAAACGCAGCAATTGTCCCAACATCGGCACCTCTTGGAGAGCTAACAA
 GTTAGTTGAATTTCTTGGCTTTCTGAAAAAAGATTGCTCATGTCAAGCTTCTAGGAGCAATCTACAGA
 AGTACAAAAGCTTTCAGAGGACTCAGAATTTTTCAGAGTGTAAATCGTTCCTCTCACCATTACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220031 representing NM_030185
 Red=Cloning site Green=Tags(s)

MAAPMDCLESLEGDGDAGRRASGVEVALPSNPTAPAPLCPHGPTLLFVKVNOGKEETRFYACSACRDRK
 DCNFFQWEDEKLSEARLAAREIHNQKCQPPLSRAQCIERYLSFIQLPLAQRKFCQSCQQLLLPADWREHG
 THQLSADISVAQLGRPSQLLYPLENKKTHAQYLFADRSCQFLAGLLATLGF SRVLCV GAPRLHEQIRLTA
 SGERSGMRSLLLDIDFRYSQFYLEGSFCRYNMFNHHFFDGAALVCKEFLQEEEGKGVIMVTDPPFGGL
 VEPLAITFKKLIAMWKEGQSQDDSHKELPIFWIFPYFFESRICQFFPSFCMLDYQVDYDNHALYKHGKTG
 RKQSPVRIFTNVPNKIILPSEEGYRFCSLCQRYVSRENQHCVHCNSCTSKDGRKWSHCFLCKKCVKPSW
 IHCNRCALPDHSLGPKDGCFCGALDHKRSNCPNIGTSWRANKLVEFFGFLEKRLMSSFLGAIYR
 STKLSSEDFRVLNRSSHYY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9080_a05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN:

NM_030185

ORF Size:

1536 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](#)

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:

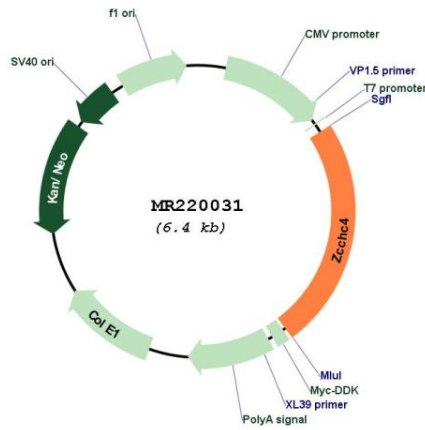
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_030185.3, NP_084461.1](#)
RefSeq Size: 5756 bp
RefSeq ORF: 1539 bp
Locus ID: 78796
UniProt ID: [Q8BKW4](#)
Cytogenetics: 5 C1
MW: 58.6 kDa
Gene Summary: rRNA N6-methyltransferase that specifically methylates the adenine in position 4220 of 28S rRNA. N6-methylation of adenine(4220) in 28S rRNA is required for translation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220031