

## Product datasheet for **MR208449**

### **Zc2hc1c (NM\_172414) Mouse Tagged ORF Clone**

#### **Product data:**

|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Product Type:</b>             | Expression Plasmids              |
| <b>Tag:</b>                      | Myc-DDK                          |
| <b>Symbol:</b>                   | Zc2hc1c                          |
| <b>Synonyms:</b>                 | 2810002I04Rik; AV046379; Fam164c |
| <b>Mammalian Cell Selection:</b> | Neomycin                         |
| <b>Vector:</b>                   | pCMV6-Entry (PS100001)           |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)             |



**ORF Nucleotide Sequence:** >MR208449 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCTGGTCTCCAGTTGGCTCCACATCTGCCTGTGGCGTTATGTTCCACATAATAAACAGAAGCTC  
 CTGGACTCCACTCAGCTAAGCACGACCCTTACGAACAAAGTGAAGTCTTCCAGCGGCCCTCGATGGGACA  
 TTTGAGGAATAGTTTCCAGTCGAAGCTTTGGAGCAACACAGAAATGGAGCAGGAGGACGAGGCTCTCCACC  
 CGCCCCAAAGGAACGTCTGCACAAAGCCGGAGGCACTCCTGTCCCCACAGTGCAGGAATCAGGCAGC  
 AAGGCTCAGGGAACAATGCCAGGGCCAAGGAAAGGCTGTGTTTACTTGTCTAGTCCGACACCCCGTA  
 TCCAAAGCAAAATGACCAGGACTTCATTCCCTTTAGGAGGAAACGAGTGGGAGTGGATCGGGCTTACCCA  
 CTGAAACCCATGGTCCACCGAAGTCACATAGTACAAGTGTGCGGGCGCAGACGGGGACAGAATGGCT  
 ACCCAAGACTCCCTGACTCAAGTGAGTTTTCAGACAACAGCTTTGGTTTAAAGGAGTGGGTGAATTCATC  
 TCTTCTTGCTCTGTGCAGGCAGAGAAGGTCGTGGCGGAGCTCCATAGGACCGAGTGGACCCAGATCCAA  
 AGGCTCGAAGCTCAGGGGAGAGTTTACAGAAGGAGATCCGCAGAAAGGAGATTCTCTACAAGAAAAGC  
 TGAAGAAGACAGAGGAGGGTCTTGAAGGATGCAGAAGGAAAGAAACAGGCCATTTTCCAGGAAGACAG  
 AGAGCTACAAAGGATGGTACTACCTAGAAGGAGGGTTCGAGATGGTGACCATGACACCCACACAAACCC  
 TGCTTGTCCCAGAGTTCAAGTCTGAGGTATTAGTGAACAGGGGAGAGGATCAAACTTGTGATCAGG  
 CTCAGGAAAACCTAGTCCACGCCAGCTCTGATTATGAAGTCCAAAGCTCAAAAGGGAAGAGTGA  
 GGCCAGTAACAGTAAATCCGAGATCAAGACGCAGGACCTCAGCAGACGCTTCTTTCAACCGGCAGAG  
 GAGCTGGGCAGTACACTGCAGGAGTCAAGTCGGTCCGGGACACAGGCTCCTCTGGGTCCAGCTCCTCCA  
 CAGAAGAGCCAGAGCTGGCCAAGTGCAGCCACTGTGGACGATCGTTTCTTCCCTCAGGTCGAGAGACA  
 CTCCACCGTCTGTGGCAAGATGCAAGGGTCCAAAGAAAAGTGTGTTGACTCTTCCAGGGCCCGGGCGAAG  
 GGCACAGAAGTAGAGCAGTACTTGAAGTGGAGGGGACAGCCACAGCCAAGGCTGAAACTCCGCCTCCCC  
 CTCGGAAGAGCACCTGGAGACAGAAGCAGAGTCTTTATCCGTACCTCCGGCATGCGGCACAGGTCCA  
 GCAGGTAATCGCCAGAGGTGGCAATCCCTCAGACTTGCCTTCCATCCTGCCTGCAGACAACCCAGACTAT  
 GTTCAGTGTCTCACTGCAGCCGCCACTTTGCTCCCAAGGTGGCTGAACGCCACATACCTAAGTGAAGA  
 CCATCAAGAACCGACACCGCCGCCAAGGAGGCACGACAGC

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

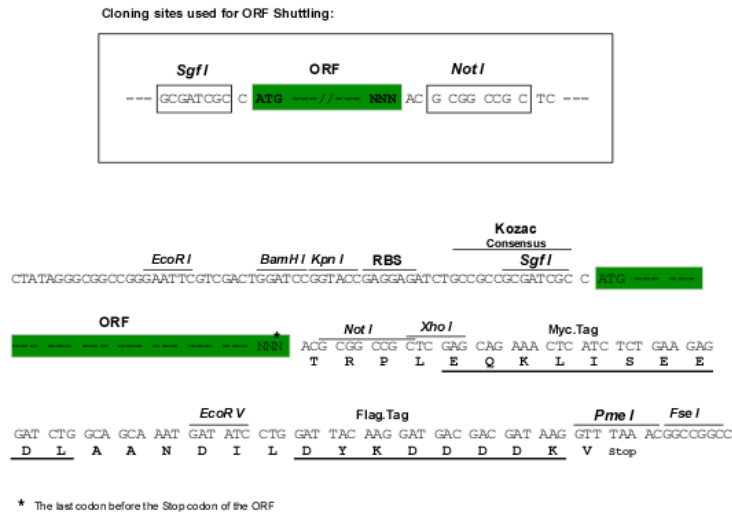
**Protein Sequence:** >MR208449 protein sequence  
 Red=Cloning site Green=Tags(s)

MAGLQLAPHLPVGMFPHNKTEAPGLHSAKHDPYEQSDSSQRPMSGHLRNSFQSKLWSNTEMEQEDEVST  
 RPKRNVCTKARRHSCPHSAGIRQQSGNNAQGQKGLFYLSSTPRYPKANDQDFIPFRRKRVRGVDRAYP  
 LKPMVHRKSHSTSDAGADGDQNGYPRLPDSSEFSDNSFGLRSWVNSLLASVQAEKVVAELHRTWTQIQ  
 RLEAAGESLQKEIRRKEILLQEKLLKTEGLRRMQEKKQAIQFQEDRELQRMVLPRRRVRDGDHDTPHKP  
 CLSPEFRSEVFSRNRGEDQTCDAQENPSPRQLSDYELQKLKRERLMASNSKIRDQDAGPSADAFFQPAE  
 ELGSTLQESSRSGTPGSSGSSSTEPELAKCSHCGRSFLSLRLQRHSTVCGMKQGSKRKVFSSRARAK  
 GTELEQYLNWRGPATAKAETPPPPRKSTWRQKHESFIRTLRHARQVQVIARGGNPSDLPISILPADNPDY  
 VQCPHCSRHFAPKVAERHHPKCKTIKNRPPPPRRHDS

TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-NotI

## Cloning Scheme:



**ACCN:** NM\_172414

**ORF Size:** 1581 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.

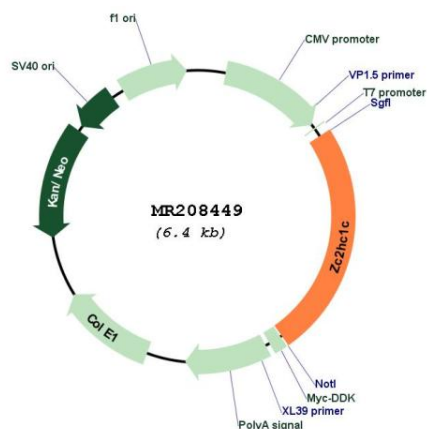
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_172414.4](#), [NP\\_766002.2](#)

**RefSeq Size:** 4482 bp

RefSeq ORF: 1584 bp  
 Locus ID: 72350  
 UniProt ID: [Q8CCG1](#)  
 Cytogenetics: 12 D1- D2  
 MW: 59.6 kDa

**Product images:**



Circular map for MR208449