

Product datasheet for **MR228428**

Zc4h2 (NM_001289696) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zc4h2 (NM_001289696) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Zc4h2
Synonyms: Gm372; mKIAA1166
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228428 representing NM_001289696
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGATGAACAAGAAATCATGTGCAAATTGGAAAGCATTAAAGAGATCAGGAACAAGACTCTGCAGA
TGGAAAAGATCAAGGCCGTTTGAAGGCTGAGTTCGAGGCTCTGGAGTCTGAAGAGAGGCACCTGAAAGA
ATACAAACAGGAGATGGATCTCCTGCTACAGGAGAAGATGGCCCATGTGGAGGAACCTCCGACTCATCCAT
GCTGATATCAATGTGATGGAACACCATTAAACAGTCTGAAAATGACTTAAACAAGCTGCTGGAGTCAA
CCCGGAGGCTTCATGATGAGTATAAACCCTGAAAGAACACGTGGATGCCCTGCGCATGACATTGGGCT
GCAAAGGCTTCTGACCTGTGTGAAGAGGAAGAGAAACTCTCCTTGGAAATGACCCATCCAATGTATGTC
ATCCCCAAAGTTACTTTGAGAAGCAGAAAGCAGAAATGGCAGACTGAACTCAAGAACCCCCCATACTGA
ATCCCTTGCTGCTGCAGCTGCTGCTCAACAACTCCAGGTGGCCAGGAAGCAGGACACAAGGCAGACA
GCCACCTTCAGGCAGCAGCCTCCACCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228428 representing NM_001289696
Red=Cloning site Green=Tags(s)

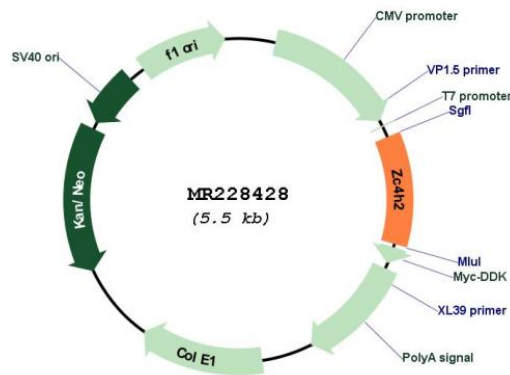
MADEQEIMCKLESIKEIRNKTLQMEKIKARLKAFFEALSEERHLKEYKQEMDLLLQEKMAHVEELRLIH
ADINVMENIKQSENDLNKLESTRRLHDEYKPLKEHVDALRMTLGLQRLPDLCEEEELSLSEMPMYV
IPKVTLRSRQNGRLNLPYLNPLLLQLLLLNNRWPGRSQGRQPPSGSSLHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001289696

ORF Size: 588 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_001289696.1](#), [NP_001276625.1](#)

RefSeq Size: 2268 bp

RefSeq ORF: 591 bp

Locus ID: 245522

UniProt ID: [Q68FG0](#)

Cytogenetics: X C3

MW: 23.5 kDa

Gene Summary: Plays a role in interneurons differentiation. Involved in neuronal development and in neuromuscular junction formation.[UniProtKB/Swiss-Prot Function]