

Product datasheet for **MC226217**

Zc4h2 (NM_001289696) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zc4h2 (NM_001289696) Mouse Untagged Clone
Tag: Tag Free
Symbol: Zc4h2
Synonyms: Gm372; mKIAA1166
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226217 representing NM_001289696
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGATGAACAAGAAATCATGTGCAAATTGGAAAGCATTAAAGAGATCAGGAACAAGACTCTGCAGA
TGGAAAAGATCAAGGCCCGTTTGAAGGCTGAGTTCGAGGCTCTGGAGTCTGAAGAGAGGCACCTGAAAGA
ATACAAACAGGAGATGGATCTCCTGCTACAGGAGAAGATGGCCCATGTGGAGGAAGCTCCGACTCATCCAT
GCTGATATCAATGTGATGGAACACCATTAAACAGTCTGAAAATGACTTAAACAAGCTGCTGGAGTCAA
CCCGGAGGCTTCATGATGAGTATAAACCCTGAAAGAACACGTGGATGCCCTGCGCATGACATTGGGCT
GCAAAGGCTTCTGACCTGTGTGAAGAGGAAGAGAAACTCCTTGGAAATGACCCATCCAATGTATGTC
ATCCCCAAAGTTACTTTGAGAAGCAGAAAGCAGAAATGGCAGACTGAACCTCAAGAACCCCCATACCTGA
ATCCCTTGCTGCTGCAGCTGCTGCTCAACAACCTCCAGGTGGCCAGGAAGCAGGACACAAGGCAGACA
GCCACCTTCAGGCAGCAGCCTCCACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289696
Insert Size: 591 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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
Gene Summary:	<p>Plays a role in interneurons differentiation. Involved in neuronal development and in neuromuscular junction formation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. This results in a shorter isoform (2) that has a distinct C-terminus, compared to isoform 1.</p>