

## Product datasheet for **MC226359**

### Zc4h2 (NM\_001289697) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zc4h2 (NM\_001289697) 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:** >MC226359 representing NM\_001289697  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGATGAACAAGAAATCATGTGCAAATTGGAAAGCATTAAAGAGATCAGGAACAAGACTCTGCAGA  
TGGAAAAGATCAAGGCCGTTTGAAGGCTGAGTTCGAGGCTCTGGAGTCTGAAGAGAGGCACCTGAAAGA  
ATACAAACAGGAGATGGATCTCCTGCTACAGGAGAAGATGGCCCATGTGGAGGAAGCTCCGACTCATCCAT  
GCTGATATCAATGTGTCTGAAAATGACTTAAACAAGCTGCTGGAGTCAACCCGGAGGCTTCATGATGAGT  
ATAAACCACTGAAAGAACACGTGGATGCCCTGCGCATGACATTGGGCTGCAAAGCTTCCCTGACCTGTG  
TGAAGAGGAAGAGAACTCTCCTTGATTACTTTGAGAAGCAGAAAGCAGAATGGCAGACTGAACCTCAA  
GAACCCCATACCTGAATCCCTTGCTGCTGCAGCTGCTGCTGCTCAACAACCTCCAGGTGGCCAGGAAGC  
AGGACACAAGGCAGACAGCCACCTTCAGGCAGCAGCCTCCACCTATGAAGGCCTGTTTGTGATGTACCA  
ACAGATTCATCGAAATGCACCTATATGCCCTCTTTGCAAAGCCAAGAGTCGGTCACGGAACCCCAAAAG  
CCAAAACGGAAGCAAGATGAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289697  
**Insert Size:** 654 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001289697.1</a></u> , <u><a href="#">NP_001276626.1</a></u>
<b>RefSeq Size:</b>	2215 bp
<b>RefSeq ORF:</b>	654 bp
<b>Locus ID:</b>	245522
<b>UniProt ID:</b>	<u><a href="#">Q68FG0</a></u>
<b>Cytogenetics:</b>	X C3
<b>Gene Summary:</b>	<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 (3) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter isoform (3), compared to isoform 3.</p>