

## Product datasheet for MC223396

### Vars2 (NM\_175137) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vars2 (NM\_175137) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Vars2  
**Synonyms:** 1190004I24Rik; mKIAA1885; Vars2l  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223396 representing NM\_175137  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCTCATTGCTCTGGCCTCTTTCCGGCCACCGCTCTGGGGCTGAGGCCCTCATGGGGTCTTTCCA  
 GGCCCCAGGCACCTTTGTACACAGCCGGAGCCCCACGGCTCCCCTGTCTCTCGGAGAACCGTGAAGCCAA  
 ACAGAAGCGCCTGCGCGAGAAACAGGCGGCCCTGGAGGCTGGGCTAGCTGAGAAGAGCAAGATACCTGCA  
 GTGCCACTAAGGCCTGGAGTCACAAGGAGGTAGTATTGTATGAAATCCCCACCGGGCCAGGTGAAAAGA  
 AAGATGTTTCTGGGCCCTGCCTCCTGCTTACAGTCCCCAGTATGTTGAAGCGGCCCTGGTACCAAGTGGT  
 GGTGCGAGAGGGCTTCTCAAACAGAGTATCAGGCAAGGCTGCCCAAGCTACAGGGGAGACCTTTTCC  
 ATGTGTATCCCACCTCCAATGTACCCGGCTCCCTGCACATTGGCCATGCACTCACAGTGGCGATCCAGG  
 ACGCACTTGTGCGCTGGCACCAGGATGCGTGGGGATCGCGTGTGTGGATCCCCGGGTCTGATCACGCAGG  
 AATTGCTACACAGGCCATGGTGGAGAAGCAGCTATGGAAGGAGCAGAGGGTGGGAGACATGAGCTGAGC  
 CGGAAGACTTCTCAGGGCCGTGTGGCAGTGGAAACATGAGAAAGGAGGGGAGATCTATGAACAGCTGT  
 GTGCTCTGGGTGCCTCTCTGGACTGGGATCGAGAGTGTTCACCATGGATGCCGGCTCCTCAGCAGCTGT  
 GACGGAAGCTTTCTGTCGACTCTACAACCTCGGGATTGTTGTACCGGAACCGCCAGCTTGTCAACTGGTCA  
 TGTACTTTGCGATCGCCATCTCAGACATTGAGGTGAAAAGCCGGCCTCTGCCTGGCCGCACGGTGTGC  
 AGCTGCCCGGATGCCCAACCCCTGTGTCTTTGGGCTCCTTGCTTCTGTTGCTTTCCCTGTGGATGGAGA  
 GCCTGACACAGAGATTGTGGTGGAAACCACCAGGCCAGAGACCCTGCCTGGAGATGTGGCTGTGGCCGT  
 CATCCAGATGACCCGAGATACACGCATTTACATGGGCGACAGCTCCGTCATCCTTTGACAGGACAGCTTC  
 TCCCCCTCATCACAGACACCACTGTTACAGCACATGTGGGCACAGGGCAGTGAAGGTGACTCCTGCTCA  
 CAGTCCAATAGATGCTGAGATAGGGACCCGGCATGGCCTGACCCCACTGAGTGTGATTGCAGAGGATGGG  
 ACCATGACATCCCTCTGTGGAGACTGGCTGCAGGGCCTTCATCGATTTGTGGCCCGGAAAAGATCATGT  
 GCACACTGAGGGAGCAGGGCCTATTCGGGGCCTACAGGAGCACCCCATGGTACTGCCCATCTGCAGCCG  
 TTCCGGGGACGTGGTGGAGTACCTGCTGAAGAGCCAGTGGTTGTCCGCTGCCAGGAAATGGGGACCTA  
 GCTGCCAAGGCTGTGGAGTCAGGGGCTCTGGAGCTCTGGCCCTCCTCCACCAGAAGAGCTGGCAACACT



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GGTTTGCCACATTGGGGACTGGTGTGTCTCCCGCAGCTGTGGTGGGGCCATCAGATCCAGCCTACCG
GGTCATCGGGGAGAATGCAGAGGATGACAGGAAGGAATGTTGGGTGGTCGGACGGTCAGAGGCTGAGGCC
AGAGCGGTAGCAGCAAAACGGACAGGGAGACCAGAGGCAGAGCTGACCCTGGAGAGGGACCCTGACGTCC
TGGACACTTGGTTCTCTTCGGCTCTTTTCCCCTTTTCTGCCCTGGGTGGCCGCGAGAGACGCCAGACCT
TGCTCACTTACCCCCTACCCTCTTGGAAACGGGTAGTGACCTGCTGATGTTCTGGGTGGGCCGATG
GTCATGCTGGGGACCCAGCTCACTGGGCAGCTCCCCTCAGCAAGGTGCTTCTTCACTCCATGGTTCGGG
ACAGGCAGGGCCGGAAGATGAGCAAGTCCCTGGGGAACGTGCTAGACCCACGGGACATCATTAGCGGGCA
GGAGCTGCAGGTGCTGCAGGCCAAGCTGAGAGACGGTAACCTGGACCCTGGAGAGCTCGCCGTTGCAGCC
GCAGCACAGAAAAAGACTTTCCTTACGGGATCCCTGAGTGTGGGACGGATGCCCTGAGATTTGACTGT
GCTCCCATGGAATCCTGGGGGGCAGCTGCACCTGTCTGTCTGAGGTCTGAACTACCGCCATTTCTG
CAACAAGCTCTGGAATGCCCTGCGCTTTGTCTCCGTGCCCTGGGGGATAACTTCGTGCCCAACCAGCA
GAGGAGGTAACCCCTCCTCTCCATGGATGCCTGGATTCTAAGCCGCTGGCCTTTCAGCCAGCGAAT
GTGAGAGAGGCTTCTGAGTCGGGAGCTTTCGCTTGTACCCACACCCTGTATCATTCTGGCTCCACAA
TCTCTGTGATGTCTACCTGGAAGCAGTGAAGCCAGTGTTCGAGCGTGCCTCCAGGACCCCTCCT
CAGGTCTGTTTTCTGTGCAGAGCTGGGTCTACGCCTCCTTGCCTCCGCTGATGCCCTTCTGGCCGAGG
AGCTGTGGCAGAGGCTGCCCCCAGGCCAGGCGGCCCTTGCCTCCAGCATCTGTGTGGCCCCCTACCC
CAGCACCCGCAGCCTGGAGTTCTGGCGCCAGCCAGAGCTGGAGCGCTGCTTCTCCAGAGTCCAAGAGTT
GTACAGGCATTGCGGGCGCTCCGAGCCACTACCAGCTCACAAAAGCCGACCCCAAGTGTCTGTCAGT
GCTCGGACCCAGGAGAACAAGGCCTAGTCCAGCCCTTTCTGGAGCCTCTGGGCATCTGAGCCACTGCGG
GGCTGTAGGATTCTGTCCCCAGGGGCAGCAGCTCCCTCAGGGTGGGCCCTGACCCCACTGGGTGACACC
ATGAAGATCTACATGGAGCTGCAGGGCTGGTGGACCCCAAGCCAGCTGCCCCGGTCACTGCCCGAA
GGCAGAAGTTACAGAAGCAGCTTGATGACCTGTGAACCCGACCATGTGAGAGGGTCTTGAGAGAGGCA
GCAGAGGATTTCTCCCTCCATCTGGAATTGTCAAAGCTGGACCAGGCAGCCTCTACCTACAGCAACTG
ATGGATGAGGCTCCAGTGCCAGGGAGCTGA
    
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_175137

**Insert Size:**

3183 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).

**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\_175137.4, NP\_780346.3

**RefSeq Size:**

4441 bp

RefSeq ORF: 3183 bp  
Locus ID: 68915  
UniProt ID: Q3U2A8  
Cytogenetics: 17 B1