

## Product datasheet for MC223202

### Iars2 (NM\_198653) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Iars2 (NM\_198653) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Iars2  
**Synonyms:** 2010002H18Rik; C79125  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223202 representing NM\_198653  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGCTGGGGCTGTGCCCTCGCGGGCCCGGGCGGCGGCTCGCCGGCTGGGAGCTTCTGGGGC  
 CAGCCCGTTTCCCAGCCGCTAGGGTGTCTGGGGATGACGAGGAGGCTCGTGGTACGATCCGTGGCCGG  
 GGCGGACAGCCCCAGAGCAGCTCGAAAGCGGCAGATACCGTGACACGGTGTCTGCTGCCGAGACCAGC  
 TTCCCGATGAAGCTGCTGGGCCCGCAGCAGTCCGACATGGAGCTGGAGATCCAGCAGAAATGTGGCTTTT  
 CAGAGCTTTATCCTGGCAAAGAGAAAAGAAAAGTAAAGACGGAATTTGCCTTCATGACGGGCTCCTTA  
 TGCCAACGGTGACCCTCATGTTGGGCATGCCCTGAACAAGATTTTAAAAGACATTGCCAATCGATCCAT  
 ATGATGAGAGGTTCCAAGGTACTTTGTGCCTGGCTGGGATTGCCATGGCTTGGCCATTGAAACAAAAG  
 TGTTATCAGAGCTCGGTGTAGATGCCAGAGTCTTTCAGCCATGGAGATCAGGGAGAAAGCCAGATCATT  
 TGCTCAGGCAGCCATTGAAAAGCAGAAATCGGCCGTTTGTCCGCTGGGAGTGATGGCAGACTGGAATAAC  
 TGCTATTACACATTTGACCCAAAGTACGAAGCCAAGCAGCTGAGAGTATCTACCAAATGTATGAGAAGG  
 GCTTGGTTTATCGATCTTACAAACAGTATATTGGTCTCCCTCATCAAGGACTGCGTTGGCTGAAGCAGA  
 GCTTGAATACAACCCTGAGCATGTCAGTCGGTCGATATACGTAAGATTCCCCTCCTGAGACCTCCCTCCG  
 AAGTTGGAGTCTTTACAGATGCCTCATCCCCTGTTAGCGTTTTAGTTTGGACCACCCAGCCTTGACAA  
 TTCCCGCCAACAGGCAATTTGCTATATGCCAGAGGCAAAGTATGCTGTGGTGAATGTTCTGCCTCTGG  
 GCACCTTACATCCTGGCTGAAGATAAAATAGCACCTGTCGCTTCTGCCTTGAAACAACATTTGATGTT  
 GTTGCAGATTTTCAGGTGTGGATCTGGAAGGTGGCACTTGTAGTCACCCTTAACTCCCATAAAGTGT  
 CTCCTTTTTACCTGCTACCCACGTGACTATGGCCAAAGGAACAGGGTTGGTTCACACAGCCCCAGCTCA  
 CGGTATGGAAGATTACAGCGTAGCATCTCAGCACAGCCTCCCTATGGACTGTTTGTAGTGAAGGCGGA  
 ATGTTACCGATGCCGAGGCCCTGAACCTCAGAACAAAGGCTGTACTTAAAGAAGGAACAGATGTGGTTA  
 TAAAGATGCTTCAAGCTACCAAGAATGTGTTGAAAGAAGAGAACATTGTGCACAGCTATCCCTGTGACTG  
 GAGAACTAAGACACCCGTGCTGATTCGAGCCAGCAAGCAGTGGTTTGAATATCACGGACATCAAGGCT  
 CGAGCTAAGGAGTCGTTGAAGACGGTGAAGTTCATCCCAGGACCGCACTGAACAGCATGACGGACATGC



TGGACAGACGGCCGACTGGTGCATATCCCGGCAGAGAGTCTGGGGGGTCCCATTCTGTGTTTCATCA  
 TAAGACAAAAGATGAATATTTGATCAACAGCCAAACCTGAGCATATTATAAACTCGTCGAGCAGCAC  
 GGCAGTGATGTGTGGTGGACCCTCCCTGCTGAGCAGCTTCTCCCGCAGAAAGTCCCTAGCTCAGGCTGGT  
 GCCCTGGGGCTTTGGAATACGCGCCAGGGCAGGACATTTTGGACATCTGGTTTGACAGTGGAACTTCATG  
 GTCTTGTGTTCTTCAAGACACGCAGCAGAGGGCAGACTGTACCTGGAGGGAAAGGACCAGCTCGGGGGC  
 TGGTCCAGTCTTCCTTACTAACAAGTGTGGCCACCAGGTCAAAGCACCTTTTCAGGACAGTGTGGTTC  
 ATGGATTTACACTTGGAGAAAAAGGAGAAAAAGATGTCCAAGTCCCTCGGAATGTCATTAATCCTGACAC  
 TATCATCAGTGGAGGAAAAGACCACAGCAAAGAACCCTCCCTACGGAGCTGACATCCTGCGCTGGTGATA  
 GCTGAGTCCAATGTCTTACGGAGGTGACCATTGGCCCTCTGTACTCTCTGCTGCCAGAGATGACATCA  
 GCAAGCTCAGAAACACTCCGCTTTCTTGGGAAATTTGACCGGTTTTAACCCGAGACAGATTCTGT  
 TCCCGTGAAGAATATGTATGTATAGACCAGTATATGCTGCACCTAATTCAGGATTTTGCACAAAGATT  
 ACTGACTCATAACAACAGTATGACTTTGGGAAAGTTGTCAGGCTGTTGAAAGCCTTCTACACCAGAGAAC  
 TGTCAGCTTTTACTTCAGCATAGTCAAGGATAGGCTCTACTGCGAAAACGAGAAGGATCCCAAGCGCCG  
 CTCGTGCAGACAGCATTGGCAGAAATTTGGATGTGTTGGTCCGTGCTTTTGCCCCATTCTTCTCTCAC  
 TTGGCAGAAGAGGTGTTTCAGCACATTCCTATGTTACAGAACCAAGAGTGTGTTTTCGCACTGGCTGGA  
 TTAATACAAGCTCTATTTGGAAGAAGCCAGGACTGGAGGAGGCAGTGGAAAGTGCCTGCGCCATGAGGGA  
 CTCCTTTCTTGGCAGCATCCCTGGCAAAAATGCTGCTGAGTACGAGGTATCATAGTGATCGAGCCAGGG  
 CTGCTGTTTGAGATCATGGAGATGCTCCAAGCTGAGGAGACCTCTAGCACGTCTCAGCTGAATGAGCTGA  
 TGATGGCTTCCCAGACGACATTGCTGGCTCAGGAGCCACGGGAAAGAAGTGCAGGTGACATTGAGCTCAC  
 GGGGACATTTCATCACTAGAAAGTGGTGCATTCGTGAGGAGTCTTCATATAAAGTCAATTGTGGTA  
 CCGACTGCCAGAGAGAAGTGCCTCGATGTTGGAAGCATACCTCTGAGACTGCAGACGCTCTCTGTCCCT  
 GGTGTGCAGAGGTCATTGGTGCAAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_198653
- Insert Size:** 3039 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\\_198653.2](#), [NP\\_941055.1](#)
- RefSeq Size:** 3540 bp
- RefSeq ORF:** 3039 bp

Locus ID: 381314

UniProt ID: [Q8BIJ6](#)

Cytogenetics: 1 H5