

## Product datasheet for **MC225106**

### Fer1I4 (NM\_001136556) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fer1I4 (NM\_001136556) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fer1I4  
**Synonyms:** 9130402C12Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225106 representing NM\_001136556  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTGACTGTGTGTGAGGCACCTAACAGGGCTGCCGGTACCCATGACCGACAAGTGAGGCTCT  
 GCTTTTCGAGGCTTTACCCAGAAAACAAGGAAAATTCACGTGGCCGAGAAGCAGACGTGGGTGAGCTGTT  
 TCGTTGGCCCCACTATGGATCTCCACTGGCTGGGGAGAGTCTGTCTGTGCAGGTGGTCAACTGTAGCCGC  
 GTGTTTCAGCCCCAGGCCCTGGGGACCCCTGGTGATTTTCGCTGCAGCAGCTACAGAGTGCTGGGCATTGG  
 TGTTGAGGGAAGCTCTGGTGGACGAGAGACTCCGGGTGTCCCGATCCAAGTGGAGCTTGACCTAAAGTA  
 TCAACCCCTGAGGGAGCTGCTGGGACCTGGGCAGAGGAGGACTTTGGGACCCATTTCGAGACAGCTTA  
 GAGTTGATCATCCCAATGTGGGCTTCCAGGACATGGAGCCTGGGGAAGCCAGCTGGAGCGAAGGGCAG  
 TGGCTCTGGGCCGAGGCTAGCTCGAAGCCTAGGAACACAGGACGATGAAGAGAACGAATTGGAGCTGGA  
 GCCGGAGCTGGAGGAAGAACCTGACGTGGAGATTTCTGGGGTGGTGTTCAGCCCCCTCAAAGCCGCGCC  
 CTGGGCTTGCTCGGGGAGACCCCTCAAGGTTTGCAAAGCCAGGACTCCAGGTGGGGTACAGTGC  
 TTGAGGCCAGAAAACCTGGTGGAGTCAATATTAACCCCTATGTGGCTGTTTCGCGTCGGGGATCAGCGCAA  
 GGTGACTGCAACATTGCGTGGAACCAATTGCCCTTCTACAACGAGTACTTCTTGTTCGAATTTTCATGAG  
 ACTCGGCTTCATCTCAAGACTTCTGCTGTTGAGATAAAGTCTTTCCACTCGCAGACTCTCCCGTTTATGG  
 CCACCAGGATAGGGACTTTCAGGATGGACTTGGGGATGGCCTTGACCAGCCAGATGGGCACTTCCACCA  
 AAAGTGGGCTCCTTTGCATGACCCCGTGACACCCGCGCCGGAACCAAGGGCTTCGTCAAGATCACCCCTG  
 TCTGTGAGGGCACGTGGGGACCTTCCCCTTCCACCGCCACCCCATGCCAGGGACAGTTCGGACATAG  
 AGAAGAATCTACTTCTGCCACATGGGGTGCAGGCTGAGAGGCCATGGGCACGGCTGCGAGTCCGCGTGA  
 CCGTGCAGAGGGGCTCCACAGTGCACACGGGCTGCTGGGCAGCCTGGCCGAGCCCTCCATGACCAA  
 AATGTCCTTTTGGACCCGTATGTGCGGGTGTGAGCTTCTGGGACAGCAGGGTGTGAGACTTCGGTTTCGGGGC  
 AGGAGACAGCGCCAAGTGGAAACGAGCAGTTGAGCTTCTGTGGAATCTTCCCGCCGCTAACACGCAGCCT  
 TCGCCTGCAGCTGCGTGACAATGCACCTTGTGGATGTGGCCCTCGCCACACAGTGTAGACCTGAGG  
 CAGATCTCGAACTCGGGTTCGCGCAGCGGGTTTAAACCCACTTTCGGTCCAGCCTGGGTGCCCTCTATG



GCTCGCTCCCCAGCGGCAGGCTCCGGGATGATCTTCAAAGTCTCAACGAAGGTCTTGCGAAGGCATTTG  
 GTTCCGGGGTCGACTTCTGGTAGCTGTGTCCATGGAGGTGTACGAAGGCAGAGTTGAACCTAAACCCCTCC  
 CAGACCACACAAAGGTCTGGATTGTCCCGGCTCACTGGGAAGAAGAAAAAGAAGAAGGAGAAGACCAGAC  
 AGGGTCAGACCCCGGCTGGCATTACAGCCTGCCAGTCCAGCACCAGCGAGGATGCGCCTGAGATTCC  
 GAGTGAATGGAGGTGGAGGTGGAGGACCTGTGCCTCTGCCAGAGAATGCCCTGGCATCCTTTGAAGAT  
 TTCTGCTTTTCGGGGTCTCTTTGAGGCCACCATGATTGACCCTTCACTGGCCAAGAAGCCCATCAGCC  
 TGGAGATTTCCATTGGTCATGCAGGACGCCAGGAAGAACAATCGGGCCAAGGATCAAGGGCTGATGAGGG  
 ATCTGAAAAGCAGCACACTTGAAGTTCAGCCTCTCTTGAATCTGAGGACAGAGGGGCAGGGCAGGAGGAG  
 CAAGAGTTGCTGGGGACACCTGCTCAGTGGCCTGAACCTGTGGATGGCAATGGGCCATATCTCTGCTTGC  
 CTCTGCGTCACCGAAAGCCCTGCCTACATGTATGGAGCTGCTGGGAGGATTATACTTGGCGCTACAGAG  
 CAGCAACAGTGTGTGCAAAGTAGCCGAGAGGCTGGACCATGGCCTGCAGGAGGTTGAGAAGATGCAGCGC  
 AGGTCAAGGGCCGGGCGCCTGCACACGACTGAAGCAGACTCTGGAAGAGCTGGTGGCTGCCAGCAGACAGT  
 TTTGCCACGGTGTGAGCGCAGGACGATGACTCGACCCAATGCCCTGGATCGTTGTGAGCGAAACTCCT  
 GACACACAGCCTGAATCTGATGGCAAGGCAAGGACTGCGGCTTTACGGAGCCTGAGGCTGAACAACATG  
 CAGAGGACTGTGGTGTGGCTAAGAAGCTCTGGCAAGGCTGCGCTTCTGGCTCAGGAGCCACAGCCTC  
 CCCTCCCTGACGTGTGTCTGGATGTTCAAGTGGCCAGCGCCGTGTGGCCTATGCCCGCATCCCTGCACA  
 GGATATACTGTACTCCGTGGTTGAGGAGGAGCGAGGCCGAGACTGTGGGAAGATCCAGAGTCTGCTACTC  
 ACAGTACCTGGGGCAGCCCTGGGGAGGCTCTGTGCCAAGTTGGAGCTCTTCTGTGGCTGGGGCTGGGCA  
 AGCAAGCCAAGGCTTGCACCTCTGAGCTGCCATGGATCTTCTGCCTGAACCTTCGTCTGGGCTGCCCA  
 AAGCCTATACCGGGATGACTTCCGCTACTTCCAGCTGAGGGCTCACCTGTACCAGGCCGTGGTGTGTTG  
 GCAGCAGATGACAGTGGCCTCTCGGACCCCTTTGCACGTGTCTCATCTACCCAGTCCAGACCACAA  
 GGGTCTTGGAGCAGACCTGAGCCCCCTATGGGATGAGCTCTTGGTATTTGACCAGCTGATTGTGGACGG  
 CAGAGGGGAACATCTCGGGGAGGAACCCCACTAGTGGTCAATGTCTTTGACCACAATAAGTTTGGC  
 CCTGTCTGTTCCTGGGACGGGCATTTGACAGCCCAAGGGTAAAGTTAATCGAGGACCCATATCAGCGCC  
 CTGAGCTGCAGTCTTCCCTGAGGAAGGGCCCTCAGGCCGCTGGAGAGGTCATTGCAACCTTTGAGCT  
 CATTGAGCTGGACTACAGCGCCATCTTGAACCTCTGTGCCAGCGATGTGGAGCCCGGGATCTGGCG  
 TCACTGGTTGAACCCATCTCTGGACACCTGTCTCTGCCTCCAGCGTGCGCCCTGTGCTCAGGGCCTTCC  
 GTGTTGAGGTGCTGTTCTGGGGTCTGAGAGGATTGGCCGTGTACATCTGTTGAGATAGAAAAGCCTCA  
 GGTGTTCTGGAAGTGGCTGGGAGGCGTGTGGAGTCGGAAGTCTGCCCACTACCGTGAGAACCCCAAC  
 TTCACAGAGCTTGTCCGGCATGTGACAGTGGACCTGCCAGAACAGCCATATCTGCAGCCCCCGCTGAGCA  
 TCTTGGTATTGAACGCCGGGCTTTGGCCGACCGTCTTGTGGTTCCCATATTGTTCCCCACATGCT  
 TAGATTCACTCCAGGGTCATGAGGATCCCAAGAGGAGGAAGAACAAGAGGAGGAGACAAGGGACCTG  
 GTGCCACATGGGCCTCAAGGAGAGAAGTCTCTGCCTGAAGCAGGAACATCCAGACAGCTTCTGAAGGCGC  
 CTCTAAAGAAGCTCACCTTAGGGCTCCTGGGTCAAGGCCCTGAGCTAGAGGAAGACATCCAGATCCAGA  
 AGAGATGGACTGGTGGTCCAAGTACTATGCCTCCCTGCAGGAATCCAGGGGCAGCCAGCTCCGATGAT  
 GAGATGGACGAGGCTGGAGATGCAGATGGAACCCATCTCATTTCTGGGGACAGGGAGGCCAGGAGCAGG  
 GGGAGACTGATAGCAAAGTCTCTGTACCTCGGAAGAAAGCAATCGCTACCCTGAAGATCTACAACAGCTC  
 CCTGGAGGACGAGTTTAGCCACTTTGAAGACTGGCTGAGTGTGTCCCTGTACAGAGGACAAGGGCGC  
 CAGGATGGAGAGGGAGAGGGAGCATCCGGACACTTTGTGGCAAGTTCAAGGGCTCCTTCTAATTTACC  
 CCGAGTCAGAGGCTAAATCCTTCTGAGCCTCAGATCTCCAGGGGGTCCCCCAGAACCAGCCCATCAA  
 GCTTCTAGTCAGAGTGTATATAGTGAAGGCTACCAACCTGGCTCCTGCAGACCCCAATGGCAAGGCAGAC  
 CCCTATGTGGTGGTTAGCGCTGGCAAGGAGCAGCGGGACACTAAGGAACGCTACATCCCCAAGCAACTCA  
 ACCCCATCTTTGGAGAGGTCCTGGAGCTGAGCGTCTCCCTCCCAGCCAGCCAGAGCTGACTGTGGCCGT  
 ATTCGACCATGACCTCGTGGTTTACAGTACCTCATCGGGGAGACCCACATTGACCTGGAACAGATTC  
 TATAGCCACCACAGACCAACTGTGGGCTGGCCTCCCAGTATGATGTGAATGGGTACAATGCCTGGCGAG  
 ATGCATTCGGCCTTACAGATCCTGGTGGACTGTGCCAGCGCTGTGGCCTTCTGTCCCTGAATACCG  
 AGCCGGAGCTGTCAAAGTGGGCAGCAGAGTCTTCTGACACCATCTGAGGCCCGCTCCAGATGACAGG  
 AAACCCAAGGTGACAAGTGAAGGCTTCTGAAGAGGCCCAAGCATTGCACGTGTGAGGCGTTGGCAGGAGA  
 TGCCAGGCCTTGGGATCCAGCTGGTACCTGAGCATGTGGAACACGGCCTCTGTACCATCCCCGAGCCC  
 TGGGCTACTGCAGGGATCCCTTCATATGTGGATTGACATCTTCCCAGTGTGTGCCGGCCCCACCCCA  
 GTTGACATCAAGCCTCGGCAGCCAATCAGCTATGAGCTCAGAGTTGTCTGGAACACGGACGATGTGG  
 CTCTGGATGACGTGAACCCACTCACTGGAGAGAGGTCAAGCGACATCTATGTGAAAAGCTGGGTAAGGG

TCTGGAGCAGGACAGACAGGAGACGGATGTCCACTTCACTCCCTGACCGGAGAGGGCAACTTCAACTGG  
 CGCTTTGTGTTCCGCTTTGACTATCTGCCGACGGAGCGGGAGGTGAGCGTCCGGCGCAAGCCTGGACCCT  
 TCGCCCTGGAGGAGGCTGAGTTCGGCAGCCAGCAGTGTGGTCTGCAGGTCTGGGACTACGACCGAAT  
 CTCTGCCAACGACTTTCTTGGGTCCTGGAGTTGCAGCTACCAGACATGGTAAGGGGGGCCCGGGACCCT  
 GAGCACTGTTCTGTTGACTAGCCCTTGTGGGCGAGGGCCGAGGTGCAATCTGTTTCGCTGCCATCGGT  
 TGCGGGGTTGGTGGCCAGTGGTGAAGATGAAGGACATGGAAGATGTGGAGCGGGAGGCCAGAGAGGCTCA  
 GGCTGGCAAGAAAAGGAAGAGGAAGAGAAGGGCCGGCCGAGAACCTGGAGTTCACAGACACAGGG  
 GGCAACGTCTACATCCTCACAGGAAGGTTGAGGCGGAGTTTGAAGTCTAACTGTGGAGGAGGCAGAGA  
 AGAGGCCGGTTGGGAAGGGGCGAAAGGAGCCAGAGCCTCTGGAGAAACCAACCGCCCAAAACCTCCTT  
 CAACTGGTTGCGTGAACCCCTCAAGACTTTCATCTTCTCATCTGGCGCCGGTACTGGCGCATCCTGGTG  
 CTGCTGCTGCTGGCGCTAATCACCATCTTCTCCTCCTCGTCTTCTACACCATCCCCGGACAGATCA  
 GCGAGGTCATCTTCAGCCCCGTCCACAAACATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001136556
- Insert Size:** 5985 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\\_001136556.1](#), [NP\\_001130028.1](#)
- RefSeq Size:** 6105 bp
- RefSeq ORF:** 5985 bp
- Locus ID:** 74562
- Cytogenetics:** 2 H1