

## Product datasheet for **MC202946**

### 1300017J02Rik (NM\_027918) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1300017J02Rik (NM_027918) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	1300017J02Rik
Synonyms:	Ica; mICA
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC021390 sequence for NM\_027918  
 CCACGCGTCCGGACTAGTTCTAGCACCTAGGCTGGGGGAGAGCAAGCAGAACGCAGTTCCACAGTTGAAA  
 ATGAGGCTGCTCATCTGCGCCCTTCTATGCTTGGGGACCCTAGGGCTGTGCCTGGCTCTTCTGAGAAGA  
 CCATACGATGGTGCCTTGTGTCAGATCATGAGGCCATTAAGTGTCTAGTTTCCGTGACAATATGAAGAA  
 AGTCTTCTGCAGGTGGCCAGCTGTTACCTGTGTAAGGAAAATGTCTCACCCCTGAGTGCATCCGGGAC  
 ATCTCGGCCAATAAAGTAGATGCTGTGACTGTTGACGGAGCTTTGGTGGCTGAAGCTGACCTGCCTCACC  
 ACAGCTGAAAACCTATCATGGCAGAATACTATGGATCAAAAGATGATCCAAAAACCCATTATTATGTTGT  
 GGCCATGGCAAAGAAGGGAACAGGCTTCCAACCTGAACCAGCTCCGGGGCAAGAAGTCCCTGCCATACTGGC  
 CTGGGCTGGTCTGCTGGGTGGTACGTTCCCTCAGCACCCCTGCTTCTTCTGGCTCTCGGAAAACAGCGG  
 CAGCCACGTTCTTCTCCAGCAGCTGTGTGCCCTGTGCGGATGGAAAGATGTTCCCCAGCCTGTGCCAACT  
 GTGTGCGGGGAAGGGGACAGACAAGTGTGCCTGCTCCTCCGGGAACCATACTTTGGCTCTGGGGAGCC  
 TAAAAATGTCTGCAGGATGGCACGGCGGATGTGAGCTTCGTGAAGCACCTGACAGTGTGTTGAGGCCATGC  
 CAACAAAGGCCGACAGGGACCAATACGAGCTGCTCTGCATGGACAACACCCGAGCCAGTGGAGGAATA  
 TGAACAGTGTACCTGGCCCGGTCCCTTCTCATGTTGTGGTGGCTCGAAGTGTGGATGGCAAGGAGGAC  
 TCCATCCAAGAGCTTCTCAGAGTGGCCAGGAACATTTTGGAAAAGACAAGTCATCACCCCTCCAGCTCT  
 TTGGCTCCCTCAGGGGAGGACCTGCTGTTACTGATGCTGCTCATGGGCTCCTAAGGGTCCCTCGAAA  
 GATGGACATCAGTCTGTACTTGGGATATGAGTTTCTTTCTGCCTTTCGGAATCTTAAAAGAGGTCTGGAA  
 GACTCCCAGAGGGTGAAGTGGTGTGCAAGTGGGCCAGCAGGAGAGGACCAATGTGACCAGTGGAGTGTG  
 TGAGCGGTGGTGTCTTGGCGTGTGCCACGGAGGAGACCCCTGAGGACTGCATCGTGCACCATGAAAGG  
 AGAAGCGGACGCCATGAGCCTGGATGGAGGGTTTGCCTACGTGCGAGGCCACTGCGGCCTGGTACCTGTC  
 CTGGCAGAGAATACTTGTCTACCCACAGCAGTGGGAGGCTGGGGTCTAAGTGTGTAACGCACCTTTGG  
 AAGTTATTATGTTGTGGCTGTGGTTAAGAAATCGGATGTTGGCATCACCTGGAAATCTCTGCAAGGCAA  
 GAAGTCTGCCACACGGCCGTTGGCACTTCTGAAGGCTGGAACGTCCTCCATGGGTTAATAACAACCAA  
 ACTGGGTCTTGCAAATTTGATGCATTCTCAGTCGCAGCTGTGCCAGGGTCTGACCCTGACTCTCCTC  
 TCTGCGCTCTGTGTTGGGGTAACAACCCAGCCACATGTGTGCTGCCAACACGCTGAGGGGTATCA  
 CGGCTCCAGCGGAGCTCTCAGGTGTCTGGTTGAGAAGGGGGACGTGGCCTTCATGAAGCACCCCTACAGTT  
 CTACAGAACACTGATGGAAGAACCCTGAGCCTTGGGCTAAGGGTCTGAAACACGAAGACTTTGAGCTGC  
 TCTGCCTTGATGGCACCAGGAAGCCTGTGACTGAGGCTCAGAGCTGCCACCTGGCCAGAGTGCCAAACCG  
 TGCTGTGTTCTCCAGGAAAGATAAAGCTGACTTTGTTGGAAGAATACTCTCAACCAACAGGAGCTCTTT  
 GGAAGAAATGGATTTGAATATATGATGTTCCAGATGTTTGAATCCTCAGCTAAGGACCTGCTTTTTCAGTG  
 ATGACACAGAATGTTTATCTAACCTTCAGAACAAAACAACATATAAAACATACCTAGGACCACAGTATCT  
 TACCTTGATGGATAACTTTAGACAGTGTGCTCTGAACTGCTGGATGCCTGCACATTTCATAAATAT  
 TAAACACCATTACGCTGGGGGGGCGGTAAACCCAGGGGCTGGGGACCAACTGCTTGCTCCATGTGGAC  
 TTGTGCAGAATGAATAAAAGTATCTTCCAGAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_027918

**Insert Size:** 2103 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:** [BC021390](#), [AAH21390](#)

**RefSeq Size:** 2289 bp

**RefSeq ORF:** 2103 bp

**Locus ID:** 71775

**UniProt ID:** [Q9DBD0](#)

**Cytogenetics:** 9 F1

**Gene Summary:** Inhibitor for carbonic anhydrase 2 (CA2). Does not bind iron ions.[UniProtKB/Swiss-Prot Function]