

## Product datasheet for **MC200853**

### Isca1 (NM\_026921) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Isca1 (NM_026921) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Isca1
Synonyms:	1810010A06Rik; Hbld2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC018547 sequence for NM\_026921  
 TGGAGAGAAGCTGAGTCCCCACGCTCCAGCCGGAGGCTGCGGGTGCCGCGACGTGGACATGTCGGCGTGC  
 TTGGTCCGCGCCACCGTGCGGGCTGTGAGCAAGAGAAAAGTGCAGCCACGCGGGCGGCCCTCACACTGA  
 CCCCCTGTGTAAACAAGATAAAAACAACTTCTTAAAGACAAACCTGAGCATGTGGGTCTGAAAGTTGG  
 CGTGCGAACCAGGGGCTGAATGGCCTCTTTACAGCCTGGAGTACACAAAGACAAAAGGAGATTCTGAT  
 GAAGAAGTTATTCAAGATGGAGTCCGAGTGTTCATCGAGAAGAAAGCACAGCTAACCCCTGTTAGGAACAG  
 AGATGGACTATGTGAAGACAAACTGTCCAGTGAATTTGTGTTCAATAACCCCAACATCAAGGGAACCTG  
 TGGCTGCGGTGAGAGCTTTCACGTGTGAAACCTCAGGACTGTGAGCTCCAGGTGAGCCGGGTCTGCCTCG  
 GCGCTTCTGAAGAAATCATGTGATGGCACGTGCTCAGGCGTGTGGCTGCCTGCCTCGTGGGTGAAAATA  
 AAGTGACGCATTTGAAAACCAAGCCAATGTGGGAAGAGTTCAAAAGCAATGTCTGTACTCTCTGTAAGA  
 CACAAACTGAGAAAACATGGCGTCTATACTCTCAAAGACACAACTGAGAAAACATGGCGTCTATACTAA  
 GACACAAGTGAAGCCGTAGATTTCTTGAGTCATTCTGTTCTACAGGAACTCCTACCCTGCCCTT  
 GTGCTGTAGCCTGCTTTGTGCTAGAACCAGCTTACGGCCATTGCTTTGCTGGGAATTGAGGAATGGGAT  
 AACAGGCGTGACCTACATCACAGCATGGCTTGTGAGTGTCTATCCCTTTCTCAATCTTTGCCAACCCCG  
 ATCTCAGGCAGGACAACGTGGGTACGGTGTAGTGGGACCTCATTCCCTCACCTTTGGCATGGCCCAT  
 TACATTTTTACCAAAAATGTGATGATCACATGCCTCGTTTGCCAACCCCTCAACAGTTCTGAGTTCTGA  
 GTTCCAGTATCTGAACTTGGGCACCACCAGGCCTGGGTTAGCACATCTCGGTGAGCTTATGATGGTTTG  
 CTGTAGACCTTTAGTAAACGCTTGTGCTAAGCAGCCAGCTTGTGCTCAGTTCTGCCAGCTCT  
 CCCTTCTCGAGGTACAGCAGTGTCTGTGAGACATTCGGTGAGGAGAGTGGCGATGGCTTCCCGCCTG  
 GCCAGCGCTCACACAGAGTTTCTTAATTTATAGAGACTTGTAGTTTCTTTTGACTAGACTCTTGTGT  
 AAACCTTTCTGTGAGTTGCCATCTTGTTCGTTAGAACTTTGAAACAGTAGTTACAGACATCTGCAGC  
 CCGGGATTCCTCTCAGCACCGGGCCTGTGGAGCGGAACATGCCATTCTGACACTTGCAGTATGCATATG  
 TTTCTGGTTCTAAACGAAATGCTAAATATTTTAAATATTTTATCACCAGTTTGTGGCCATGCT  
 TTTGCTGATACTACAGGCCAGCCTTGAACGCACAATCCTCTGCTTCAACCTTCTGAGGCATGTGCTAC  
 CATGCCTGGATCCCAAGTTTTCTTAAGTGGTCTTATTGACTTGGGTTGGACATCTTAAAGTAACCTGT  
 GAATTTCTTTGTGGAAGGCTGAGTCTCATGCAGCTGAGTTAATATTTGTGCTATTTACTAAAATACCTA  
 CCACCAAAATATACCAACTCGTAGTTTTATGAATGTTGATGAGTCTGTATCATAAATAGAATTGTTGA  
 TACATCTTAATTTGTGCAATATTGTATGAAGAGATTGAGTTGTCGATTAACCAATGCATCTTTAAAAA AAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_026921

**Insert Size:** 390 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:** [BC018547](#), [AAH18547](#)

RefSeq Size: 1901 bp

RefSeq ORF: 390 bp

Locus ID: 69046

UniProt ID: [Q9D924](#)

Cytogenetics: 13 B2

**Gene Summary:** Involved in the maturation of mitochondrial 4Fe-4S proteins functioning late in the iron-sulfur cluster assembly pathway. Probably involved in the binding of an intermediate of Fe/S cluster assembly.[UniProtKB/Swiss-Prot Function]