

## Product datasheet for **MC215836**

### 2310057M21Rik (NM\_026655) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2310057M21Rik (NM_026655) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	2310057M21Rik
Synonyms:	3110040E10Rik; AI429544
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC215836 representing NM\_026655  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGACCGCGATCGAAGACGCGGGACTGGACC GCGGCCGACGCTGACCTCGTCTGGGATGCGGCGT  
 GCGGGCGCTGACCCAAAGCCTTTTCTTACCCGACTGGCCACGTGCCAAGACTTGGACTTCGAGCA  
 GCTACTGGAGCCGCCAGTCCGAGCCAGGATCCGGTTAGTCTGAAAAGCAGCCTGAGCCCCGAGATGAA  
 AACCCCTGCTTACCTTACCTGAAGTACTTGGCCCTAATGGGGTGAAGAAATCCTTTCGGTTGGCGTCTGA  
 GTTCAGCAAGAAACATGGAAGTACTTAGGAGAGGAGTATTGTGAACAGTCGAGGCAAGACTGCCTG  
 CACTGCTCTGGATGACAGTGAACATGAAAAGATCTTGTATACAAAAATACCTAAAATTGGATTCTCC  
 ACGCATGCCTGTAATAAAGCTGTTGTCCTTCGGGGAGAAGCAGTGTGTCTTGCAGTAAAGTGGTGG  
 TGCCTTGAGGCCACGGTCTGCAGATCCTTACC GCGCTCTGCTCTGGGATCACGGATAGACCTTGA  
 CAACATCAAACCATAATGGAGTCCATGGGGTCCAGGTTATCGCCTGGAGCGCAGCAGCTCATGAGCATG  
 ATTAGGTTTCAGCAGCAGAATCGTCTCCCATCGGGATCAGCTTCAGTCGGTGTGGGAAGCGCAGGAC  
 ACAAGCATCTGATGGCGCTGCAGTCGTACCGTCTCCAGCAGTCTTAGACAAGGCATCCTCTACACCTTT  
 CCCTTTTGAAGTGGATTGACCCCTTACGCCATCACTGAAAATTTAAAGGCTCTTATTGATAAAAGCGCA  
 CAGCCATCTGGAGAAGGAAATACCACAAACCACGATGAGGGTACCTTATGCCACAAAACCATCCCTTG  
 AAAGTGATCTTAAAAACGAGTGTCTTCTTTCTTACCAAAGAAGGCAAGCGGCAGCTCAAGTGTGCCAG  
 CTCTGAGCTGTGCTTTTCTCCAGAATTATGTAGTCAGGTCAACCATCTCCCGTGGGACATAATGCC  
 AGGTGGCAAGAAAACATCTCCAAGCCCCGAGAGGGCATGGTCGGGGTCCGATGGAAGAGCAGCCTGTTT  
 GCTCCTACTTGGAAAAGATTCTTTCTAAAACATGGAAGTGGAAAAGAGCTTATGGACCACATTGA  
 TGAGAGGATCTATCAGCTCCAGGAACACATAGATGCTAAAATGGCTTTGTTAGTGGACTTGCTGCGAGGC  
 CCCAACTCCCCACCCCGAGGATGCCTCTAAGACACTATGACTCCAGAGAAGACTTTCCAATGGAGAAA  
 GATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_026655
- Insert Size:** 1335 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\\_026655.3](#), [NP\\_080931.1](#)

RefSeq Size: 2214 bp

RefSeq ORF: 1335 bp

Locus ID: 68277

UniProt ID: [Q9D2Q3](#)

Cytogenetics: 7 F3

**Gene Summary:** ATPase that regulates mitochondrial ABC transporters ABCB7, ABCB8/MITOSUR and ABCB10. Regulates mitochondrial ferric concentration and heme biosynthesis and plays a role in the maintenance of mitochondrial homeostasis and cell survival.[UniProtKB/Swiss-Prot Function]