

## Product datasheet for MC211409

### Slc25a31 (NM\_178386) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc25a31 (NM\_178386) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc25a31  
**Synonyms:** 1700034J06Rik; Ant4; Sfec  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211409 representing NM\_178386  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCGAACGAATCCTCCAAGAAGCAGTCTTCAAAGAAGGCGCTGTTTCGATCCGGTGTCTTTCTCGAAGG  
 ACCTGCTGGCCGGCGGGTTCGCGCCCGGTGTCGAAGACAGCTGTGGCCTCCATCGAGCGTGTGAAGCT  
 GCTGCTGCAGGTGCAGGCGTCTCCAAGCAGATAAGCCCTGAGGCGCGCTACAAGGCATGCTGGACTGC  
 CTGGTGGCATTCTCGTGAGCAAGGATTTTTAAGTTATTGGCGTGGCAATTTGGCAAATGTTATTCGAT  
 ACTTTCCAACACAAGCCTTAAACTTCGCTTTTAAAGGACAAATACAAGAAGCTTTTCATGTCTGGTGTAA  
 TAAAGAAAAACAGTTCTGGAGATGGTTTCTAGCAAACCTGGCTTCTGGAGGGGCTGCTGGAGCAACATCC  
 TTGTGTGTAGTATACCCACTAGATTTTGGCAGAACCCGATTAGGTGTTGATATTGGAAAAGGTCCTGAGC  
 AGCGGCAGTTCACGGGTTTGGGTGACTGCATTATGAAAATAGCCAAGTCAGATGGACTGATTGGTCTATA  
 CCAAGGGTTTGGTGTCTCTGTTCAAGGATCATTGTTTACCGAGCCTCTACTTTGGAGCTTATGACACC  
 GTTAAGGGCTTATTGCCAAAGCCAAAGGAAACCCATTCTTGTCTTTTATCATTGCTCAAATCGTGA  
 CTACCTGTTCTGGAATACTCCTATCCCTTTGACACAGTTAGAAGACGTATGATGTCAGAGTGGGGA  
 ATCTGATCGGCAATATAAAGGAACCATAGACTGCTTTCTGAAAATCTACCGTCATGAAGGAGTTCCTGCC  
 TTCTTCCGTGGTCCCTTCTCAACATCCTTCGTGGCACAGGGGGTCTTTGGTCTTGGTGTATATGATA  
 AAATCAAAGAGTTCCTCAACATTGATGTTGGAGGTAGTTCATCAGGAGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_178386  
**Insert Size:** 963 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_178386.3</a> , <a href="#">NP_848473.2</a>
<b>RefSeq Size:</b>	2110 bp
<b>RefSeq ORF:</b>	963 bp
<b>Locus ID:</b>	73333
<b>UniProt ID:</b>	<a href="#">Q3V132</a>
<b>Cytogenetics:</b>	3 B
<b>Gene Summary:</b>	Catalyzes the exchange of cytoplasmic ADP with mitochondrial ATP across the mitochondrial inner membrane. May serve to mediate energy generating and energy consuming processes in the distal flagellum, possibly as a nucleotide shuttle between flagellar glycolysis, protein phosphorylation and mechanisms of motility.[UniProtKB/Swiss-Prot Function]