

## Product datasheet for **MC218601**

### Slc25a25 (BC019978) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Slc25a25 (BC019978) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Slc25a25  
 Synonyms: MGC36388, MCSC, mKIAA1896  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >BC019978  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGTCCCTGCGGGACCTGGGTGTCAAGATCTCGAACAGCAGGCGGAGAAGATTCTTAAGAGCATGG  
 ATAAGAATGGCAGATGACCATCGACTGGAACGAGTGGAGGGACTACCACCTCTGCACCCTGTGGAGAA  
 CATCCCGAGATCATCTGTACTGGAAGCACTCGACGATCTTCGATGTCGGTGAGAACTGACAGTCCCA  
 GATGAGTTCACAGTGGAGGAGAGGCAGACGGGGATGTGGTGGAGGCACCTGGTGGCAGGAGGTGGGGCAG  
 GGGCAGTTTCCAGAACCCTGCACTGCCCCCTGGACAGACTGAAGGTGCTCATGCAGGTCCATGCCTCCCG  
 CAGCAACAACATGTGCATCGTAGGTGGATTACACAGATGATTGAGAAGGGGGAGCCAAGTCACTCTGG  
 CGGGGCAACGGCATCAATGTCTCAAATTGCCCTGAGTCGGCCATCAAATTCATGGCATATGAGCAGA  
 TGAAACGGCTTGTGGTAGTGATCAGGAGACGCTGAGGATCCACGAAAGGCTTGTGGCAGGCTCCTTGGC  
 CGGAGCCATTGCCAGAGTAGCATCTACCAATGGAGGTCTGAAGACCCGAATGGCCCTGCGGAAAACA  
 GGACAGTACTCCGGCATGCTGGACTGTGCCAGGAGGATCTGGCTAAAGAGGGTGTAGCTGCCTTCTACA  
 AAGGCTACATCCCAACATGCTGGGATCATCCCCTATGCTGGCATCGACCTAGCTGTCTATGAGACATT  
 GAAAAATACCTGGCTCCAGCGCTACGCAGTAAACAGTGCAGACCCGGTGTGTTCTGCTCCTGGCCTGT  
 GGTACTATCTCCAGTACTTGTGGCCAGCTGGCCAGCTACCCACTAGCCCTGGTCCAGGACCCGGATGCAGG  
 CACAAGCCTCCATTGAGGGCGCACCTGAGGTAACCATGAGCAGCCTCTTCAAACAGATTCTGCGGACTGA  
 GGGGGCTTTGGGCTCTACCGGGGCTGGCCCCAACTTCATGAAGGTGATCCCGGCTGTGAGCATCAGC  
 TACGTGGTCTACGAAAACCTGAAGATCACCTGGGCGTGCAGTCTCGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: BC019978



<b>Insert Size:</b>	1101 bp
<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>	<u><a href="#">BC019978</a></u> , <u><a href="#">AAH19978</a></u>
<b>RefSeq Size:</b>	2555 bp
<b>RefSeq ORF:</b>	1100 bp
<b>Locus ID:</b>	227731
<b>Cytogenetics:</b>	2 B
<b>Gene Summary:</b>	Calcium-dependent mitochondrial solute carrier. Mitochondrial solute carriers shuttle metabolites, nucleotides, and cofactors through the mitochondrial inner membrane. May act as a ATP-Mg/Pi exchanger that mediates the transport of Mg-ATP in exchange for phosphate, catalyzing the net uptake or efflux of adenine nucleotides into or from the mitochondria (By similarity).[UniProtKB/Swiss-Prot Function]