

## Product datasheet for **MC217058**

### Slc25a25 (NM\_001164357) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a25 (NM_001164357) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a25
Synonyms:	1110030N17Rik; MCSC; mKIAA1896
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC217058 representing NM\_001164357  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGAGCAGTGTGTTGTGCCGTGCGTGGCCTCCCCGCGCCGGACGCCGCCACCGCTCGTCGT  
 CCGCCTCGTCGCCGGCTTCTGTAGGGGACCCGTGCGGCGGCGCCGTCTGTGGCGGCCGGACCACAGCT  
 ACGCCTGTGGAGCCTCTTCCAGACACTCGACGTCAACCGCGACGGCGCCCTGTGTGTCAACGACCTGGCG  
 GTGGGGTGTGCCGCGCTGGGACTGCACCGACGGAGGGCGAGCTCCGAAAATTGTGCAAGCAGGTGACA  
 AGGACCTTGATGGCAACTGGACTTTGAAGAGTTGTACATTACCTCCAAGATCATGAGAAAAACTGAG  
 GCTGGTGTCAAGAGTCTGGACAAAAAGAATGATGGTGAATCGATGCTCAGGAGATCATGCAGTCCCTG  
 CGGACCTGGGTGTCAAGATCTCGAACAGCAGGCGGAGAAGATTCTTAAGAGCATGGATAAGAATGGCA  
 CGATGACCATCGACTGGAACGAGTGGAGGGACTACCACCTCTGCACCCTGTGGAGAACATCCCGGAGAT  
 CATCTGTACTGGAAGCACTCGACGATCTTCGATGTCGGTGAATCTGACAGTCCAGATGAGTTCACA  
 GTGGAGGAGAGGAGACGGGGATGTGGTGGAGGCACCTGGTGGCAGGAGGTGGGGCAGGGCAGTTCCA  
 GAACCTGCACTGCCCCCTGGACAGACTGAAGGTGCTCATGCAGGTCCATGCCTCCCGCAGCAACAACAT  
 GTGCATCGTAGGTGGATTACACAGATGATTCGAGAAGGGGGAGCCAAGTCACTCTGGCGGGCAACGGC  
 ATCAATGTCTCAAAATTGCCCTGAGTCGGCCATCAAATTCATGGCATAATGAGCAGATGAAACGGCTTG  
 TCGGTAGTGATCAGGAGACGCTGAGGATCCACGAAAGGCTTGTGGCAGGCTCCTTGGCCGGAGCCATTGC  
 CCAGAGTAGCATCTACCAATGGAGGTTCTGAAGACCCGAATGGCCCTGCCGAAAACAGGACAGTACTCC  
 GGCATGCTGGACTGTGCCAGGAGGATCTTGGCTAAAGAGGGTGTAGTGCCTTCTACAAAGGCTACATCC  
 CCAACATGCTGGGATCATCCCCATGCTGGCATCGACCTAGCTGTCTATGAGACATTGAAAAATACCTG  
 GCTCCAGCGCTACGCAGTAAACAGTGCAGACCCCGGTGTGTTTCGTGCTCCTGGCCTGTGGTACTATCTCC  
 AGTACTTGTGGCCAGCTGGCCAGCTACCCACTAGCCCTGGTCAGGACCCGGATGCAGGCACAAGCCTCCA  
 TTGAGGGCGCACCTGAGGTAACCATGAGCAGCCTCTTCAAACAGATTCTGCGGACTGAGGGGGCCTTTGG  
 GCTCTACCGGGGCTGGCCCCAACTTCATGAAGGTGATCCCGGCTGTGAGCATCAGCTACGTGGTCTAC  
 GAAAACCTGAAGATCACCTGGGCGTGCAGTCTCG**GTGA**

**ACGGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001164357
- Insert Size:** 1509 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\\_001164357.1](#), [NP\\_001157829.1](#)

**RefSeq Size:** 3323 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 227731

**UniProt ID:** [A2ASZ8](#)

**Cytogenetics:** 2 B

**Gene Summary:** 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]  
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.