

Product datasheet for **MC217057**

Slc25a25 (NM_001164358) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a25 (NM_001164358) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a25
Synonyms:	1110030N17Rik; MCSC; mKIAA1896
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217057 representing NM_001164358
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTACAGACTGTGGCACTTTCTGTCTAGCTTTCTCCCTAGAGCTGAGTGCCAGGACTCCAGAGAGG
GCATCGACCATGGAGTCAGAGGTAAGGCCCCGCTCGGGGAGACCAGATGTCCACCTTTTGGGGAA
ACAAAACGGAAGGGCTGAGGCCACGAAAAGAGACCCACCATCTTGTCTGGTGGTCCGACCTGCAGAACAG
TTTCTAAGAAAATTGTGCAAGCAGGTGACAAGGACCTTGATGGGCAACTGGACTTTGAAGAGTTTGTAC
ATTACCTCAAGATCATGAGAAAAACTGAGGCTGGTGTCAAGAGTCTGGACAAAAAGAATGATGGTGC
AATCGATGCTCAGGAGATCATGCAGTCCCTGCGGGACCTGGGTGTCAAGATCTCGAACAGCAGGCGGAG
AAGATTCTTAAGAGAATACGGACGGGCCACTTCTGGGGCCCTGTCACCTACATGGATAAAGATGGCAGCA
TGACCATCGACTGGAACGAGTGGAGGGACTACCACCTCCTGCACCCTGTGGAGAACATCCCGGAGATCAT
CCTGTACTGGAAGCACTCGACGATCTTCGATGTCGGTGTGAGAATCTGACAGTCCCAGATGAGTTCACAGT
GAGGAGAGGCAGACGGGGATGTGGTGGAGGCACCTGGTGGCAGGAGGTGGGGCAGGGCAGTTTCCAGAA
CCTGCACTGCCCCCTGGACAGACTGAAGGTGCTCATGCAGGTCCATGCCTCCCAGCAACAACATGTG
CATCGTAGGTGGATTACACAGATGATTCGAGAAGGGGGAGCCAAGTCACTCTGGCGGGCAACGGCATC
AATGTCCTCAAAATTGCCCTGAGTCGGCCATCAAATTCATGGCATATGAGCAGATGAAACGGCTTGTGC
GTAGTGATCAGGAGACGCTGAGGATCCACGAAAGGCTTGTGGCAGGCTCCTTGGCCGGAGCCATTGCCCA
GAGTAGCATCTACCCAATGGAGGTTCTGAAGACCCGAATGGCCCTGCGGAAAACAGGACAGTACTCCGGC
ATGCTGGACTGTCCAGGAGGATCTTGGCTAAAGAGGGTGTAGCTGCCTTCTACAAGGCTACATCCCCA
ACATGCTGGGGATCATCCCCTATGCTGGCATCGACCTAGCTGTCTATGAGACATTGAAAAATACCTGGCT
CCAGCGCTACGCAGTAAACAGTGCAGACCCGGTGTTCGTGCTCCTGGCCTGTGGTACTATCTCCAGT
ACTTGTGGCCAGCTGGCCAGCTACCCACTAGCCCTGGTCAAGACCCGGATGCAGGCACAAGCCTCCATTG
AGGGCGCACCTGAGGTAACCATGAGCAGCCTCTCAAACAGATTCTGCGGACTGAGGGGGCCTTTGGGCT
CTACCGGGGGCTGGCCCCAACTTCATGAAGGTGATCCCGGCTGTGAGCATCAGCTACGTGGTCTACGAA
AACCTGAAGATCACCTGGGCGTGCAGTCTCGTGA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001164358

Insert Size: 1506 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_001164358.1](#), [NP_001157830.1](#)

RefSeq Size: 3581 bp

RefSeq ORF: 1506 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 (3) contains an alternate 5' terminal exon and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.