

Product datasheet for **MC220340**

Slc25a13 (NM_015829) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a13 (NM_015829) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a13
Synonyms:	A1785475; Ctrn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220340 representing NM_015829
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCGCCAAGGTGGCTTTAACCAAGAGAGCCGATCCAGCTGAGCTTAAAGCAATATTTTTGAAGT
 ATGCGAGCATTGAAAAAATGGTGAATTTTTATGTCTCCTCATGACTTTGTCACTCGGTATTTGAATAT
 TTTTGGAGAAAGCCAGCCCAACCCGAAAACCTGTGGAACTTTTAAGTGGTGTAGTGGATCAGACCAAAGAT
 GGGTTAATATCCTTCCAAGATTTGTAGCCTTTGAGTCTGTCTGTGCTCCGGATGCCTTGTTTATGG
 TGGCGTTCCAGCTGTTTGACAAAGCTGGCAAAGGAGAGGTTACTTTTGAGGATGTCAAGCAAATTTTGG
 ACAGACTACAATTCATCAACATATTCCATTTAACTGGGATTGAGAATTTGTGCAGCTACATTTTGGAAAA
 GAAAGAAAAGGCACCTTACATATGCGGAGTTCCTCAGTTTTTTGTTGGAATACAGTTGGAGCACGCGA
 AGCAAGCCTTTGTCAACGAGACAATGCCAAGACAGGCAAAGTCTCAGCCATTGACTTCCGGGACATCAT
 GGTCCACATCCGTCCCCATGTCTGACGCCTTTTGTGAGGAATGTCTAGTAGCTGCTGCTGGAGGCACT
 AGGTCCCATCAAGTTAGCTTCTCCTATTTAATGGATTTAATTCGCTCCTTAACAACATGGAACCTATTA
 GGAAGATCTACAGTACTCTGGCTGGCAACAGGAAAGACGTGGAGGTGACTAAGGAGGAGTTCGCTTTGGC
 AGCCCAGAAGTTTGGTCAGGTTACACCCATGGAAGTTGACATCTTGTTTCAGTTAGCAGATTTATATGAG
 CCGAGGGGGCGCATGACCTTAGCAGACATTGAGCGGATCGCCCTCTAGAGGAAGGAATGTTACCCCTTCA
 ACTTGGCCGAGGCCAGAGGCAGAGAAGGCCTCGGGTGTGCTGCTCGGCCCTTTCTTCTGCAGCTCGC
 AGAGTCAGCCTACAGTTTGGACTGGGTCTATTGCTGGAGCTGTGCGAGCCACTGCCGTGTATCCTATC
 GATCTTGTAAAGACTCGAATGCAGAACCAGAGATCAACCGGCTCTTTTGTGGCGAGCTCATGTAAAA
 ACAGCTTGTACTGCTTTAAGAAGGTGCTCCGCTACGAAGGCTTCTTTGGACTGTACCGAGGTTTGTCTGCC
 ACAGTTACTGGGAGTCCGCCCGGAGAAGGCCATAAACTTACAGTGAACGATTTTGTGAGAGATAAATTT
 ATGCACAAAGATGGCTCCGTCCTTCTTGGCAGAGATTTTGTGAGGCTGTGCTGGAGGCTCCCAAG
 TGATTTTCAAAATCCTTTAGAGATTGTGAAAATCCGCTTACAAGTGGCCGGAGAGATCACCCTGGCCC
 CCGAGTCAGCGCCTGTGCGTGGTACGAGACCTGGGGTCTTTGGCATCTACAAGGGCGCCAAAGCATGC
 TTCCTGAGGGACATTCCTTCTCAGCCATCTACTTCCCGTGTATGCCACGTGAAGGCTTCTTTTGCAA
 ATGAAGACGGGCAGGTACGCCCCGAAGCCTGCTTTAGCCGGTGTATTGCTGGTATGCCTGCGGCATC
 TTTAGTGACCCCTGCTGATGTTATCAAGACTAGATTACAGGTGGTGGCCGGGCTGGCCAAACCCTTAC
 AACGGTGTGACCGACTGCTTCAAGAAAGATACTTCGAGAAGAGGGCCCCAAAGCATTGTGGAAGGAGTTG
 CTGCTCGTGTCTCCGCTCCTCGCCCAGTTTGGTGTACCTTGTACGTATGAATTGCTGCAGCGGTG
 GTTCTATGTCGATTTTGGAGCGTGAAGCCCGTGGGATCTGAGCCGGTTCCTAAATCCCGGATTACTCTG
 CCCGCTCCAATCCTGACCACGTAGGGGGCTACAACTGGCCGTGCCACATTGCGAGGGATTGAGAACA
 AATTTGGACTTTACCTACCTCTCTTTAAGCCATCAGCATCTACCTCAAAAGTGACTGCTGGGGACTCCTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_015829
Insert Size: 2031 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:	<ol style="list-style-type: none">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:	<u>NM_015829.3</u> , <u>NP_056644.1</u>
RefSeq Size:	3133 bp
RefSeq ORF:	2031 bp
Locus ID:	50799
UniProt ID:	<u>Q9QXX4</u>
Cytogenetics:	6 A1
Gene Summary:	Mitochondrial and calcium-binding carrier that catalyzes the calcium-dependent exchange of cytoplasmic glutamate with mitochondrial aspartate across the mitochondrial inner membrane. May have a function in the urea cycle.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.