

Product datasheet for **MC220339**

Slc25a13 (NM_001177572) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a13 (NM_001177572) 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: >MC220339 representing NM_001177572
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCGCCAAGGTGGCTTTAACCAAGAGAGCCGATCCAGCTGAGCTTAAAGCAATATTTTTGAAGT
 ATGCGAGCATTGAAAAAATGGTGAATTTTTATGTCTCCTCATGACTTTGTCACTCGGTATTTGAATAT
 TTTTGGAGAAAGCCAGCCCAACCCGAAAACCTGTGGAACTTTTAAGTGGTGTAGTGGATCAGACCAAAGAT
 GGGTTAATATCCTTCCAAGAGTTTGTAGCCTTTGAGTCTGTCTGTGCTCCGGATGCCTTGTTTATGG
 TGGCGTTCCAGCTGTTTGACAAAGCTGGCAAAGGAGAGGTTACTTTTGGAGATGTCAAGCAAATTTTGG
 ACAGACTACAATTCATCAACATATTCCATTTAACTGGGATTGAGAATTTGTGCAGCTACATTTTGGAAAA
 GAAAGAAAAGGCACCTTACATATGCGGAGTTCCTCAGTTTTTTGTTGGAATACAGTTGGAGCACGCGA
 AGCAAGCCTTTGTCAACGAGACAATGCCAAGACAGGCAAAGTCTCAGCCATTGACTTCCGGGACATCAT
 GGTCCACATCCGTCCCCATGTCTGACGCCTTTTGTGAGGAATGTCTAGTAGCTGCTGCTGGAGGCACT
 AGGTCCCATCAAGTTAGCTTCTCCTATTTAATGGATTTAATTCGCTCCTTAACAACATGGAACCTATTA
 GGAAGATCTACAGTACTCTGGCTGGCAACAGGAAAGACGTTGGAGGTGACTAAGGAGGAGTTCGCTTTGGC
 AGCCCAGAAGTTTGGTCAGGTTACACCCATGGAAGTTGACATCTTGTTTCAGTTAGCAGATTTATATGAG
 CCGAGGGGGCGCATGACCTTAGCAGACATTGAGCGGATCGCCCTCTAGAGGAAGGAATGTTACCCCTTCA
 ACTTGGCCGAGGCCAGAGGCAGAAGGCCCTCGGGTGTGCTGCTCGGCCCTTCTTCTGCAGCTCGCAGA
 GTCAGCCTACAGTTTGGACTGGGTTCTATTGCTGGAGCTGTGCGAGCCACTGCCGTGTATCCTATCGAT
 CTTGTAAGACTCGAATGCAGAACCAGAGATCAACCGGCTCTTTTGTGGCGAGCTCATGTATAAAAAACA
 GCTTTGACTGCTTTAAGAAGGTGCTCCGCTACGAAGGCTCTTTTGGACTGTACCGAGTTTGTGCCACA
 GTTACTGGGAGTCCGCCGAGAAAGGCCATAAAAACCTTACAGTGAACGATTTTGTGAGAGATAAATTTATG
 CACAAAGATGGCTCCGTCCCCTTTTGGCAGAGATTTTGTGGAGGCTGTGCTGGAGGCTCCCAAGTGA
 TTTTACAAAATCCTTTAGAGATTGTGAAAATCCGCTTACAAGTGGCCGAGAGATCACCCTGGCCCCCG
 AGTCAGCGCCCTGTCCGTGGTACGAGACCTGGGGTTCTTTGGCATCTACAAGGGCGCCAAAGCATGCTTC
 CTGAGGGACATTCCTTTCTCAGCCATCTACTCCCGTGTATGCCACGTGAAGGCTTCTTTGCAAATG
 AAGACGGGCAGGTCAGCCCCGAAGCCTGCTCTTAGCCGGTGTATTGCTGGTATGCCTGCGGCATCTTT
 AGTGACCCCTGTGATGTTATCAAGACTAGATTACAGTGGCTGCCCGGGCTGGCCAAACCACTTACAAC
 GGTGTGACCGACTGCTTCAGAAAGATACTCGAGAAGAGGGCCCCAAAGCATTGTGAAAGGAGTTGCTG
 CTCGTGTCTCCGCTCCTCGCCCCAGTTTGGTGTACCTTGTACGTATGAATTGCTGCAGCGGTGGTT
 CTATGTCGATTTTGGAGGCGTGAAGCCCGTGGGATCTGAGCCGGTTCCTAAATCCCGGATTACTCTGCC
 GCTCCCAATCCTGACCACGTAGGGGGCTACAAACTGGCCGTTGCCACATTCGAGGGATTGAGAACAAT
 TTGGACTTTACCTACCTCTTTAAGCCATCAGCATCTACCTCAAAAGTACTGCTGGGGACTCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001177572
- Insert Size:** 2028 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_001177572.1, NP_001171043.1</u>
RefSeq Size:	3130 bp
RefSeq ORF:	2028 bp
Locus ID:	50799
UniProt ID:	<u>Q9QXX4</u>
Cytogenetics:	6 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.</p>