

## Product datasheet for **MC203218**

### Slc25a1 (NM\_153150) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc25a1 (NM\_153150) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc25a1  
**Synonyms:** 1300019P08Rik; 2610100G11Rik; AI194714; Ctp; Dgsj; Slc20a3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC037087

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CCACGCGTCCGAGTAGCCTCCGGCTCCGCTGCTTCCCAGAACCCCGCGCCGGAGGCTCGGACCCGAGGT
CGACGCCGGGCGCCTCTCCTCCTGCCGCTATGGCTGCGCCTCGCGGGCCCCGCGCTCTGTGCGCCGCC
CGCCGGGGTCCGGGAAGCCAAACTGACGCACCCCGGAAGGCAATCCTAGCAGGCGGCCTGGCTGGAGG
CATCGAAATCTGCATCACCTTCCCGACCGAATACGTGAAGACGCAGCTGCAGCTAGATGAACGAGCGAAC
CCACCGCGGTACCGGGCATCGGAGACTGCGTGCGGCAAAGTGTCCGAGCCATGGCGTCTGGGCTGT
ACCGCGGCCTCAGCTCCTTGCTTACGGCTCCATCCCCAAGGCGGCTGTCAGGTTTGGGATGTTGAGTT
CCTCAGCAACCACATGCGGGATGCCAAGGTAGGCTCGACAGCAGGAGAGGACTATTGTGCGGTCTGGGT
GCCGGCGTGGCAGAAGCAGTGGTAGTCGTGTGCCCTATGGAGACCATCAAGGTGAAGTTCATCCATGACC
AGACTTCTCCAACCCCAAGTACCGAGGATTTTTCCACGGGGTTAGAGAGATTATTGGGAACAAGGGCT
AAAGGGAACATACCAAGGCCTTACTGCGACTGTACTGAAGCAGGGCTCAAACCAAGCCATCCGATTCTTT
GTCATGACCTCCCTACGCAACTGGTACCAAGGAGACAACCACAACAACCTATGAACCCACTGATACGG
GGTCTTTGGAGCTACTGCGGGTGCAGCCAGTGTCTTTGGAAACACACCTTTGGATGTGATCAAGACCAG
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GGGCCAAAGGCATTCTACAAGGGCACCGTTCGCCGGCTGGGCCGAGTCTGCCTGGATGTGGCCATCGTAT
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GTGGGGTATCCCAGCTCCTCCATTCCAGACCCCGCCACCTACTCTGATGATCCAGTGCAGTAGTGCC
AAAAGGCCCTTCTTTGTCCCTCAAGTCTGTGGCCTGGTGTGTCCCATAGTTCTGTATATCCCATGTG
GTCTGTGTGTGTAACACTACCATTTGTATCTGTGTCCAGCCTGGCCATGGCTGGGTGTCTTTGGCCT
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GACCCTGTGCCCCACTTCTGGGGTGCCTATGTGCCCTGGTTCATGGCCTTGGAGCCATGGTCAGGTCAC
AGTCCGGTGCCTTCCACCCCTATGGCAAGGGCGCCCTGCCTTGGCTACCACAGCTGCCTCCAGGCTTA
GACCTGGCTTACCGCATTCCAGGGGCTATAGGCCCCCTGCTTTTCCGCCATTGGCCTTAAATGGCCC
TCGGGCCCTCCCTCCGCCGGAACAGGGTGGCACCTGCCACTCTCAGGACCACCTTGCCAAGGAGAATAA
ACCGGATCCTGTTGCAAAAAAAAAAAAAA
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**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_153150
<b>Insert Size:</b>	936 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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>	<a href="#">BC037087</a> , <a href="#">AAH37087</a>
<b>RefSeq Size:</b>	1640 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	13358
<b>UniProt ID:</b>	<a href="#">Q8JZU2</a>
<b>Cytogenetics:</b>	16 11.11 cM
<b>Gene Summary:</b>	<p>Citrate transporter that mediates the exchange of mitochondrial citrate for cytosolic malate. Also able to mediate the exchange of citrate for isocitrate, phosphoenolpyruvate, cis- but not trans-aconitate and to a lesser extend maleate and succinate. Important for the bioenergetics of hepatic cells as it provides a carbon source for fatty acid and sterol biosyntheses, and NAD(+) for the glycolytic pathway. Required for proper neuromuscular junction formation. [UniProtKB/Swiss-Prot Function]</p>