

## Product datasheet for **MC203823**

### Slc25a38 (NM\_144793) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc25a38 (NM\_144793) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc25a38  
**Synonyms:** appoptosin; AV019094; BC010801  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC010801  
 GTCTCGGGTAATGAGACCTGAGGCCGGGCGGGCAGGCCGGGAGGGATGGGCGTGAGCGGGAGCCCCGGA  
 GCCTCTCAGTCGCCGGGCGGGCTCGCGTCCCCAGTGATCGAGAAGGCACGCTCGGCGTGCTGCAGTC  
 GCAGGATGTAGAGGACACGGTGGAGACGCTCATGTTACACCCAGTGATTAAAGCTTTCCTCTGCGGCTCC  
 ATCAGCGGGACCTGTTCCACGCTCCTCTCCAGCCTTTGGATCTCCTCAAACCCGCTCTGCAGGCCCTGC  
 AGCCCTCAGACCTAGGGCCAGACGTGTTGGGATGTTGGCTGTGTTCTTGAAGTGGTTCGCACAGAAAAG  
 TCTCCTGGGCCTTTGAAAGGGATGTCTCCTTCCATTGTGAGATGTGTCCTGGAGTGGGATCTACTTT  
 GGCACCTGTATTCTTGAAGCAGTATTTCTTGGCAGGCCATCCTCCACCGCCCTGGAGTCGGTCATCC  
 TGGGCATGGGCTCCCGCTCTGTGGCAGGAGTCTGCATGTACCCATCACAGTGATCAAGACAGCTATGA  
 GAGTGGGACTTACAGCTATGAGAGCATCTATGCAGCCCTGAGGAGCATCTACTGCAGCGAGGGCCACCGT  
 GGCTCTTCAGGGGCTGACAGCAACTCCTCCTCGTGATGCCCCCTTCTCAGGGCTCTACCTGATGTTTT  
 ACAGTCAGACCAGGACCGCAGTGCTGCACGGCACAGCCAGCTGGATGCTGCTCTGATACCCCTTATTAA  
 TTTCTCCTGTGGGATATTTGCTGGCGTTCTGGCTTCACTGGTGACTCAACCTGCAGACGTGATCAAACCT  
 CACATGCAGCTCTCCCCAGTGAAGTTTTCAGTGGATTGGCCAAGCAGCCACTCTCATCTTCAAGAACCATG  
 GGCTGCGTGGCTTCTTTCATGGCAGTGTCCCCGAGCCCTCCGAAGAAGCTGATGGCTGCCATGGCGTG  
 GACCGTCTATGAAGAGATGATGGCCAGGATGGGCTGAAGTCTGACGAGAGAGAGCTGGTTCCTGCCAT  
 GAGCTGCTGCAGCTCACTCCCGGAGTCAGGTGAAGACTGCGCTGTCTGAAGAGCCAGGCACAAGTGGCGT  
 ACCGCTCTGTGCACACTCCCAGTCCGCGGGGCTGGATCGAGCTTGGCTGCCCAAGGCTACTTG  
 AGAGGAGCCTCTGCAAGTTCGCTGCTTCAAGCCACTGCCTACTTACAGGGCGCCTTAGAATATTGGTA  
 ATGAAGGAATCCCCAGTAGAGAAGGTGTGGGCTCCTGCCATGTCTGAGGGCAAGAGGCTCAAGTTAGG  
 GAAGACTGGACCTAAGAGAGCTGAGGTGGGCCAGTGAGATGCCTCAGCAAGGAAAGGTGCTTAACAGAGG  
 CCTGCGTTGGCTCCAGGACCCATATGGTGGAGGAGAGAATTGCTGCAAGTTGCTCCTGATTTCTCACAT  
 GCACCCAGACCAATAAACAAATAAATGTATTACTTTTTAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_144793
<b>Insert Size:</b>	981 bp
<b>OTI Disclaimer:</b>	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).
<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="#">BC010801</a> , <a href="#">AAH10801</a>
<b>RefSeq Size:</b>	1594 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	208638
<b>UniProt ID:</b>	<a href="#">Q91XD8</a>
<b>Cytogenetics:</b>	9 F4
<b>Gene Summary:</b>	Mitochondrial glycine transporter that imports glycine into the mitochondrial matrix. Plays an important role in providing glycine for the first enzymatic step in heme biosynthesis, the condensation of glycine with succinyl-CoA to produce 5-aminolevulinate (ALA) in the mitochondrial matrix. Required during erythropoiesis.[UniProtKB/Swiss-Prot Function]