

Product datasheet for **MC200938**

Slc25a33 (NM_027460) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a33 (NM_027460) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc25a33
Synonyms: 5730438N18Rik; Pnc1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC011293 sequence for NM_027460
 GCGGCTGGAAAGCGCCGAGAGGCCGCTGACTGGCCGGGCGCGACGCCGGAGGGAGCCGGGCGCCTGG
 GCCTCCC GCGCGCATGGGCGCGTGGCGGCTGCCTGAGGAAGGCAGCAAGCCAGCGGAGCTCGAGACCT
 CGCGCGTCCCACGAGCGCTGCGGCGGGCCGCGGAGCCGCGCGGCCATGGCGACGGGCACTCAGCAGAA
 AGAGAACACGCTGCTTCATCTCTTCGCCGGCGGGTGC GGGGCACAGTTGGTGCTATTTTACATGTCCA
 CTAGAAGTCATTAAGACGCGACTGCAGTCTTCGAGACTAGCTCTTCGACGGTGTATTACCTCAGGTTCT
 ATCTGGGGACCATTAGTGGAGCTGGAATGGTGAGACCAACGTCTGTGACGCCTGGACTCCTACAGTTCT
 GAAATCAATCCTGAAAAGGAGGGACCAAAGTCACTCTTTAGAGGCTGGGTCCAAATTTGGTTGGAGTT
 GCACCATCAAGGGCTGTGACTTTGCATGTTATCCAAAGCCAAAGAGCAATTCATGGCGTCTTCGTGC
 CTAATAGCAATACTGTGCACATTCTCTCAGCTGGCTCTGCAGCTTTTGTACAAAATACCTAATGAATCC
 TATTTGGATGGTTAAAACGAGGATGCAGCTAGAACGCAAGGTGAGGGGCTGCAAGCAGATGAACACTC
 CAGTGTGCTCGGCGTGTCTACCAGACAGAAGGCGTCCGCGGCTTCTATAGAGGGCTGACCGCTCCTACG
 CTGGGATCTCGGAGACAATCATCTGCTTTGCTATTTATGAGAGCTTAAAGAAGTGTTTGAAAGACGCTCC
 GATCGTCTCCTCCACAGATGGAGCTGAGAAAAGTTCTCTGGCTTCTTTGGACTCATGGCAGCTGTGCT
 GTTTCTAAGGGATGTGCCTCCTGCATCGCTTACCACACGAGGTCATCAGGACGCGGCTCCGCGAGGAAG
 GCAGCAAGTACAGGTCCTTCGTGCAGACCGCGCCTGGTGTCCGGGAGGAAGGCTACCTCGCCTTCTA
 CCGAGGACTGTTTGCTCAGCTCATCCGGCAGATCCCCAACACTGCCATTGTCTGTCACCTACGAGTTC
 ATCGTGTACCTGCTGGGAGAGCGTGCTTAGTGACAGGGCCACATGATTGTGCTCTAGAAGAATAAAACCG
 AAAACCCTAGAGATTTTCTTTCCGTTGATGTTTAGTGTTCAAACACTGAAACAGTGAAGGCCATAGAATA
 CCTGGCTCATGTACCTGTTGGACATTTCTTTTGGATTCTGTTTCTGGAAGGTTGAAATTCATTAACG
 TTAATAGTTAATTATACTTTCTTTTTAACTTAAGAGGACTGAGGATTGAGGAGCAAGTAAATTAATC
 ATGCTATTTAATGTAAAAA AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_027460
Insert Size: 963 bp



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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>BC011293</u> , <u>AAH11293</u>
RefSeq Size:	1433 bp
RefSeq ORF:	963 bp
Locus ID:	70556
UniProt ID:	<u>Q3TZX3</u>
Cytogenetics:	4 E2
Gene Summary:	Mitochondrial transporter that imports/exports pyrimidine nucleotides into and from mitochondria. Transports preferentially uracil, thymine, and cytosine (deoxy)nucleoside di- and triphosphates by an antiport mechanism. Also transports guanine but not adenine (deoxy)nucleotides. Is inhibited strongly by pyridoxal 5'-phosphate, 4,7-diphenyl-1,10-phenanthroline, tannic acid, and mercurials (mercury dichloride, mersalyl acid, p-hydroxymercuribenzoate). Participates in mitochondrial genome maintenance, regulation of mitochondrial membrane potential and mitochondrial respiration (By similarity). Upon INS or IGF1 stimulation regulates cell growth and proliferation by controlling mitochondrial DNA replication and transcription, the ratio of mitochondria-to nuclear-encoded components of the electron transport chain resulting in control of mitochondrial ROS production (PubMed:17596519). Participates in dendritic cell endocytosis and may associate with mitochondrial oxidative phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]