

Product datasheet for **MC227859**

Slc16a3 (NM_001038654) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a3 (NM_001038654) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a3
Synonyms:	Mct3; Mct4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227859 representing NM_001038654
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAGGGGCTGTGGTGGACGAGGGTCCACCGCATCAAGGCCCCGATGGGGCTGGGGCTGGGCCG
 TCCTTTTGGCTGTTTTATCATCACGGTTTCTCTACGCCTTCCCAAGGCGGTCAGCGTCTTTTCAA
 GGAGCTTATGCATGAGTTGGGATTGGCTACAGCGACACGGCTTGGATCTCCTCCATCCTGCTGGCTATG
 CTCTATGGCACAGGACCCTCTGCAGTGTGTGTGAACCGCTTTGGCTGCCGCCCTGCATGCTTGTGG
 GTGGCCTCTTTGCGTCCCTGGGAATGGTGGCTGCGTCCTTCTGCAGAAGCATTATCCAGATCTACCTCAC
 CACGGGGTCACTACTGGCTTGGGTCTGGCTCTCAACTCCAGCCTTCCCTCATCATGCTCAATCGATAC
 TTCAACAAGCGTCGCCCTATTGCCAATGGGTTGGCAGCGCCAGGCAGCCAGTGTTCCTTTGTGCACTGT
 CTCCTAGGGGCAGCTGCTGCAGGATCACTATGGTTGGCGGGTGGCTTCTCATCTGGGGGGCCTACT
 GCTCAACTGCTGTGTGTGTGCTGCGCTCATGAGGCCGCTGGTGGCACCGCAGGTAGGCGGAGGGACTGAG
 CCCCGCGACCCAGCGGCCACCTCAACGCCTGCTAGACCTGAGTGTCTCCGAGACCGCGCTTCTCTCA
 TCTATGCCGTGGCCGCTCAATCATGGTGTGGGACTCTTTGTGCTCCGGTCTTTGTGGTGAGCTATGC
 TAAGGATATGGGTGTACCCGACACAAAGGCCGCTTCTTCTCACCATCCTGGGCTTTCATCGACATCTTT
 GCCAGGCCACGGCTGGTTTCATAACAGGCCTCAAGAAGTGCGGCCCTACTCTGTCTACCTCTTCAGCT
 TTGCCATGTTCTTCAATGGCTTCACTGACCTGACAGGCTCCACAGCCACTGACTACGGTGGCCTGGTGGT
 CTTTTGCATCTTCTTGGCATCTCATATGGCATGGTGGCGCACTACAGTTTGAGGTGCTCATGGCTATC
 GTGGGCCTCAGAAGTTCTCCAGTGCCATTGGTCTCGTGCTGCTGCTGGAGGCCGTGGCTGTGCTCATCG
 GACCCCGTCAGGAGGCAAGCTGCTGGATGCAACCAAAGTTTACAAGTATGTGTTTCACTGGCGGGGC
 CGAGGTGCTCACCTCCTCCTTGTGCTGCTGCTGGGCAACTTCTTCTGCATCGGGAAGAGGAAGAGGCC
 GAGGTGACAGAGCCTGAGGAGGTGGCCTCAGAGGAGAAGTCCACAAGCCCTGTGGACGTGGGAGTGG
 ACTCGAGGAGGTGGAGCACTTCTGAAGGCAGAGCCTGAGAAAATGGGGAGGTGGTTCATACCCCGGA
 AACCGCGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001038654
- Insert Size:** 1413 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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: [NM_001038654.1](#), [NP_001033743.1](#)

RefSeq Size: 2386 bp

RefSeq ORF: 1413 bp

Locus ID: 80879

UniProt ID: [P57787](#)

Cytogenetics: 11 E2

Gene Summary: Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate (By similarity).[UniProtKB/Swiss-Prot Function]