

Product datasheet for **MC227860**

Slc16a3 (NM_030696) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a3 (NM_030696) 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



[View online »](#)

Fully Sequenced ORF: >MC227860 representing NM_030696
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGGGGCTGTGGTGGACGAGGGTCCACCGCATCAAGGCCCCGATGGGGCTGGGGCTGGGCCG
TCCTTTTGGCTGTTTTATCATCACGGTTTCTCTACGCCTTCCCAAGGCGGTGAGCGTCTTTTCAA
GGAGCTTATGCATGAGTTGGGATTGGCTACACGACACGGCTTGGATCTCCTCCATCCTGCTGGCTATG
CTCTATGGCACAGGACCCTCTGCAGTGTGTGTGAACCGCTTGGCTGCCGCCCTGCATGCTTGTGG
GTGGCCTCTTTCGCTCCCTGGGAATGGTGGCTGCGTCTTCTGCAGAAGCATTATCCAGATCTACCTCAC
CACGGGGTCACTACTGGCTTGGGTCTGGCTCTCAACTCCAGCCTTCCCTCATCATGCTCAATCGATAC
TTCAACAAGCGTCGCCCTATTGCCAATGGGTGGCAGCGGCAGGCAGCCAGTGTTCCTTTGTGCACTGT
CTCCACTGGGGCAGCTGCTGCAGGATCACTATGGTTGGCGGGTGGCTTCTCATCTGGGGGGCCTACT
GCTCAACTGCTGTGTGTGTGCTGCGCTCATGAGGCCGCTGGTGGCACCGCAGGTAGGCGGAGGGACTGAG
CCCCGCGGACCCAGCGGCCACCTCAACGCCTGTAGACCTGAGTGTCTCCGAGACCGCGCTTCTCTCA
TCTATGCCGTGGCCGCCCTCAATCATGGTGTGGGACTCTTTGTGCCTCCGGTCTTTGTGGTGAGCTATGC
TAAGGATATGGGTGTACCCGACACAAAGGCCGCCCTTCTTCTCACCATCCTGGGCTTTCATCGACATCTTT
GCCAGGCCACGGCTGGTTTCATAACAGGCCTCAAGAAGTGGCGCCCTACTCTGTCTACCTCTTCAGCT
TTGCCATGTTCTTCAATGGCTTCACTGACCTGACAGGCTCCACAGCCACTGACTACGGTGGCCTGGTGGT
CTTTTGCATCTTCTTGGCATCTCATATGGCATGGTGGCGCACTACAGTTTGGGTGCTCATGGCTATC
GTGGGCACTCAGAAGTTCTCCAGTGCCATTGGTCTCGTGTGCTGCTGGAGGCCGTGGCTGTGCTCATCG
GACCCCGTCAGGAGGCAAGCTGCTGGATGCAACCAAGTTTACAAGTATGTGTTTATCTGGCGGGGC
CGAGGTGCTCACCTCCTCCTTGTGCTGCTGCTGGGCAACTTCTTCTGCATCGGGAAGAGGAGGCC
GAGGTGACAGAGCCTGAGGAGGTGGCCTCAGAGGAGAAGTCCACAAGCCCTGTGGACGTGGGAGTGG
ACTCGAGGAGGTGGAGCACTTCTGAAGGCAGAGCCTGAGAAAATGGGGAGGTGGTTCATACCCCGGA
AACCGCGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_030696

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_030696.3](#), [NP_109621.1](#)

RefSeq Size: 2493 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]