

Product datasheet for **MC216538**

Slc16a3 (NM_001038653) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a3 (NM_001038653) 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: >MC216538 representing NM_001038653
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGGGGCTGTGGTGGACGAGGGTCCACCGCATCAAGGCCCCGATGGGGCTGGGCTGGGCCG
 TCCTCTTTGGCTGTTTTATCATCACGGGTTCTCTACGCCTTCCCAAGGCGGTGAGCGCTTTTTCAA
 GGAGCTTATGCATGAGTTGGGATTGGCTACAGCGACACGGCTTGGATCTCCTCCATCCTGCTGGCTATG
 CTCTATGGCACAGGACCCTCTGCAGTGTGTGTGAACCGCTTTGGCTGCCGCCCTGCATGCTTGTGG
 GTGGCCTCTTTGCGTCCCTGGGAATGGTGGCTGCGTCCTTCTGCAGAAGCATTATCCAGATCTACCTCAC
 CACGGGGTCACTACTGGCTTGGGTCTGGCTCTCAACTCCAGCCTTCCCTCATCATGCTCAATCGATAC
 TTCAACAAGCGTCGCCCTATTGCCAATGGGTTGGCAGCGCCAGGCAGCCAGTGTTCCTTTGTGCACTGT
 CTCCTAGGGGCGAGCTGCTGCAGGATCACTATGGTTGGCGGGTGGCTTCTCATCTGGGGGGCCTACT
 GCTCAACTGCTGTGTGTGTGCTGCGCTCATGAGCCGCTGGTGGCACCGCAGGTAGCGGAGGGACTGAG
 CCCCGCGACCCAGCGGCCACCTCAACGCCTGCTAGACCTGAGTGTCTCCGAGACCGCGCTTCTCTCA
 TCTATGCCGTGGCCGCTCAATCATGGTGTGGGACTCTTTGTGCTCCGGTCTTTGTGGTGAGCTATGC
 TAAGGATATGGGTGTACCCGACACAAAGGCCGCTTCTTCTCACCATCCTGGGCTTATCGACATCTTT
 GCCAGGCCACGGCTGGTTTCATAACAGGCCTCAAGAAGTGCGGCCCTACTCTGTCTACCTCTTCAGCT
 TTGCCATGTTCTTCAATGGCTTCACTGACCTGACAGGCTCCACAGCCACTGACTACGGTGGCCTGGTGGT
 CTTTTGCATCTTCTTTGGCATCTCATATGGCATGGTGGGCGCACTACAGTTTGAGGTGCTCATGGCTATC
 GTGGGCACTCAGAAGTTCTCCAGTGCCATTGGTCTCGTGTGCTGCTGGAGGCCGTGGCTGTGCTCATCG
 GACCCCGTCAGGAGGCAAGCTGCTGGATGCAACCAAGTTTACAAGTATGTGTTCACTGGCGGGGCC
 CGAGGTGCTCACCTCCTCCTTGTGCTGCTGCTGGGCAACTTCTTCTGCATCGGGAAGAGGAAGAGGCC
 GAGGTGACAGAGCCTGAGGAGGTGGCCTCAGAGGAGAAGCTCCACAAGCCCTGTGAGCCTGGGAGTGG
 ACTCGAGGAGGTGGAGCACTTCTGAAGGCAGAGCCTGAGAAAATGGGGAGGTGGTTCATACCCCGGA
 AACAGCGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001038653
Insert Size: 1413 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

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>NM_001038653.1</u> , <u>NP_001033742.1</u>
RefSeq Size:	2481 bp
RefSeq ORF:	1413 bp
Locus ID:	80879
UniProt ID:	<u>P57787</u>
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]