

Product datasheet for **RN213517**

Slc16a3 (NM_030834) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a3 (NM_030834) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a3
Synonyms:	Mct3; MCT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN213517 representing NM_030834

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGGAGGAGCTGTGGTGGACGAGGGTCCACCGGCATCAAGCCCCCGATGGGGCTGGGGCTGGGCCG
TCCTCTTTGGCTGTTTCATCATCACGGGCTTCTCTATGCCTTCCCCAAAGCGGTCAAGTGTCTTTTCAA
GGAGCTCATGCATGAGTTTGGGATTGGCTACAGCGACACAGCTTGGATCTCCTCCATCCTGCTGGCTATG
CTGTATGGCACAGGCCACTCTGCAGTATGTGTGAACCGCTTGGCTGCCGGCCCGTCATGCTTGTGG
GTGGCCTCTTTCGCTCCCTGGGGATGGTGGCTGCATCCTTCTGCAGAAGCATTATCCAGATCTACCTCAC
CACAGGGGTCACTAGGCTTGGGTCTGGCTCTCAACTTCCAGCCCTCCCTCATCATGCTCAATCGATAC
TTCAACAAGCGCCGCCCTATGGCAATGGGCTGGCAGCAGCAGGAGTCCCGTGTCTTTGTGCACTGT
CTCCACTGGGGCAGCTGCTGCAGGACCACTATGGCTGGCGGGTGGCTTCTCATCCTGGGAGGCCTGCT
GCTCAACTGCTGCGTGTGTGCTGCACTCATGAGACCACTGGTAGCACCCAGGCGAGTGGAGGGGCTGAG
CCCCATGGACCCAGCGGCCGTCTCCGCGCCTGCTAGACCTGAGTGTCTTCCGAGACCGTGGCTTCTCA
TCTATGCTGTGGCTGCCTCAATCATGGTGTGGGGCTCTTTGTGCTCCGGTCTTTGTGGTGAAGTATGC
TAAGGATATGGGTGTGCCTGACACAAAGGCTGCCTTCTTCTCACCATCCTGGGCTTTCATCGACATCTTT
GCCAGGCCACGGCAGGTTTCATAACAGGGCTCAAGAAGGTGCGGCCCTACTCTGTCTACCTCTTCAGCT
TTGCCATGTTCTTCAATGGCTTCACTGACCTGACAGGCTCCACGGCCAGTGAAGTACGGTGGCCTGGTGGT
CTTTTGCATCTTCTTGGGATCTCGTATGGCATGGTGGGAGCGCTACAGTTTGAAGTGTGCTATGCTATC
GTGGGCACTCAAAGTTCTCCAGTGCCATTGGTCTCGTGTGCTGTTAGAGGCTGTGGCTGTGCTCATCG
GACCCCATCAGGAGGCAAGCTGCTGGACGCAACGAAAGTTTACAAGTATGTGTTTCATCCTGGCGGGGC
TGAGGTGCTCACCTCCTCCCTTGTGCTGCTGGGCAACTTCTTCTGCATCGGGAAGAGGAAGAGGCC
GAGGTGACAAAGCCTGAGGAGGTGGCCTCAGAGGAGGAGAAGCTCCACAAGCCCCCTGTGACGTGAGGG
TGGACTCGAGGGAGGTGGAGCACTTCTGAAGGCAGAGCCTGAGAAAAACGGGGAGGTGGTTCATACCCC
GGAAACCAGCGT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_030834

Insert Size:

1416 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:	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_030834.1, NP_110461.1</u>
RefSeq Size:	2118 bp
RefSeq ORF:	1416 bp
Locus ID:	80878
UniProt ID:	<u>O35910</u>
Cytogenetics:	10q32.3
Gene Summary:	monocarboxylate transporter; mediates efflux of glycolytically derived lactic acid from white skeletal muscle [RGD, Feb 2006]