

Product datasheet for **MC216648**

Slc16a7 (NM_011391) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a7 (NM_011391) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a7
Synonyms:	4921534N07Rik; Mct2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216648 representing NM_011391
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCATCAGAGCCTTCCGCGCCGCTTCCACAACCACTTCTCCCGACGGAGGGTGGGGCTGGTCTAG
 TCTGTGGTCCCTTTATCTCCATTGGATTTTCATATGCCTTCCCAAAGCTGTCACAGTATTCTTCAAAGA
 CATCCAGGAAATATTCAACACCACCTCCAGTCAGATCGCTTGGATATCGTCCATCATGCTAGCTGTCATG
 TATGCGGGAGGTCCCATCAGTAGTGTGTGGTGAATAACTATGGCAGCCGGCCTGTGGTATAGTGGGAG
 GACTATTGTGCTGCATTGGAATGATCTTGGCTTCTTACAGCAACAGCGTGATAGAGCTTTATCTCACCGT
 TGGCTTATTGGAGGTTTAGGATTAGCATTCAACCTGCAACCAGCCTTAAACAATAATTGGAAAATACTTC
 TATAGAAGACGACCCTTGCAAATGGCTGCGCCATGGCTGGAAGTCCTGTTTTCTTAAGCACACTGGCTC
 CTTTCAATCAGTACCTATTTAACTATGGCTGGAAGGGGAGTTTTTTGATTTGGGAGGTATATTTTT
 GCACTCCTGTGTGGCTGGTGCCTCATGAGACCTGTTGGCCAAGTCCAATACTAAGAAGTCTAAAAGT
 AAGGTTGGCTCAAGACATGATCAACTCTGAAGAAAGCCAGTAAGGTATCAACAGCACAAAAGGTTAATA
 GTTTTTATAGATTTAGCCTTTTTATGCATAGAGGATTTTTGATCTACCTATCTGGAAACGTCATATTGTT
 TTTAGGGATTTTTGCCCTATTATATTCTTGGCTCAGTACGCTAAACACATAGGAGTGGATGACTATAAC
 TCAGCTTTTTTACTGTCTGTGATGGCTTTATCGATATGTTTGTCTCGCCTTCTGTAGGATTAATAGCCA
 ACACTAGATTAATCCGTCCACGAATCCAGTACCTTTCAGCTCTGCAATCATCTTTACTGGCATATGCCA
 TCTCTTATGCCCTAGCAACTACCTACTCAGCTTTGGTGGTCTACGTTGATTTTTGGATTGGGATTT
 GGAAGTATTAGCAGTCTCTCTTTGAATGCCTTATGGACATTGTTGGAGCTACCAGGTTCTCCAGTGTG
 TGGGACTCACACAATCGTGGAGTGTGTCCAGTCTTTTCGGCCCTCTCTGGCTGGTAAATGCTTGA
 TATAACTGGAGAATATAAATACCTGTACATAGCCAGCGGAACAGTCGTGTTAGTATCAGGTACTTACCTC
 CTGATTGGCAATGCTATAAACTATAGACTTCTCGACAAGGAAAGGAGAGAGAAGGCAAGAAGAAGA
 AGTCAGCTTACACGCGTCCAGAGAAATGGAGGCCCTGAACAGATCTAAACAGGACGAAGTTACTGTCAA
 AGCTTCAAACGCACACAATCCTCCCTCAGACAGGGACAAGAGAGTAATATT**TAA**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII

ACCN: NM_011391

Insert Size: 1455 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_011391.1</u> , <u>NP_035521.1</u>
RefSeq Size:	2422 bp
RefSeq ORF:	1455 bp
Locus ID:	20503
UniProt ID:	<u>O70451</u>
Cytogenetics:	10 D3
Gene Summary:	Proton-coupled 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. Functions as high-affinity pyruvate transporter. [UniProtKB/Swiss-Prot Function]