

Product datasheet for **RN201695**

Slc16a7 (NM_017302) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a7 (NM_017302) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a7
Synonyms:	Mct2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201695 representing NM_017302
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCATCAGAGTCTTCAGTAAAGGCAACGGCGGCCGCCCTCCATTCCCACTTCTCCGGACGGAGGGT
 GGGGCTGGGTTGTAGTCTGCGCATCCTTCATCTCCATTGGGTTCTCCTATGCCTTCCCCAAAGCCGTAC
 GGTATTCTTCAATGACATCAAGGACATTTTCAAGACCACCTCCAGTCAGATCGCGTGGATATCCTCCATT
 ATGCTGGCTGTACGTACGCAGGAGGTCCCATCAGTAGTGTGGTGAATAACTATGGCAGCCGGCCTG
 TGGTGATAGTAGGAGGATTACTGTGCTGTACTGGAATGATCTTGGCTTCTTTCAGCAGCAGTGTGATAGA
 ACTTTACCTCACCGTCGGCTTCAATGGAGGTTTAGGATTAGCATTCAACCTGCAACCAGCCTTAACAATA
 ATCGGAAAATACTTCTATAGGAAGCGACCCCTTGCAAATGGCTTTGCCATGGCTGGAAGTCTGTTTTCT
 TAAGCACACTGGCTCCTTCAATCAGTTCCTATTTAACAGCTATGGCTGGAAGGGGAGTTTTTTGATTTT
 GGGGGCCATATTTTGCCTCTGTGTGGCCGGGTGCCTCATGAGACCTGTCGGGCCAAGTCCACGTGCT
 GCGAAGTCTAAAAGTAAGGTTGGCTCAAGACAAGATTCAGTACGAAGAGACTCAGTAAGGTATCAACAG
 CAGAAAAGATTAATCGGTTTTAGATTTTCGGCCTTTTACACATAGAGGATTTTTGATCTACCTGTCTGG
 AAATGTCGTGTTGTTTTAGGGATGTTTGGCCCTATTATTTCTTGGCTCCGTATGCTAAGGACAAAGGA
 GTGGATGACTATAATTCAGCTTCTTGCTGTCTGTGATGGCTTTTACCGATATGTTTGTCTCGGCCTCGG
 TAGGATTAATAGCCAACACTAGCTTAATCCGTCCACGAATCCAGTACTTGTTCAGCGTGGCAATCATGTT
 CACTGGCATATGCCATCTCCTCTGCCCCTAGCCATTCTACACAGCTTTGGTGGTCTACGTTATATTT
 TTTGGAATAGGATTTGGAAGTATTAGCAGTCTCCTCTTTGAATGTCTTATGGACCAGGTTGGAGCCTCCA
 GGTTCTCCAGTGTGGGGCTCGTCACTATCGTGGAGTGTGGCCAGTCTTTTTCGGCCCTCCCCTGGC
 TGGTAAATTGCTCGATATAACTGGACAATATAAATACCTGTACATAGCCAGTGGGATAGTGTGTTATCA
 TCAGGCATTTACCTACTGATTTGCAATGCTATAAACTATAGACTTCTCGAGAAGGAAAGGAGAGAGA
 AAGCAAGGAGGAAGAAATCAGCCTCGCAGGCATCCAAAGAAATGGAGGCTTTGAGCAGATCTAAACAGGA
 CGATGTTACTGTGAAAGTTTCAAATACACACAATCCTCCCTCAGACAGGGACAAAGAAAGTAGTATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1644_h02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_017302

Insert Size: 1470 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).

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_017302.2](#), [NP_058998.2](#)

RefSeq Size: 2178 bp

RefSeq ORF: 1470 bp

Locus ID: 29735

Cytogenetics: 7q22

Gene Summary: transports lactate, pyruvate, and ketone bodies; may be involved in neuronal metabolism [RGD, Feb 2006]