

## Product datasheet for **MC219645**

### **Slc16a6 (NM\_001029842) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc16a6 (NM_001029842) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a6
Synonyms:	AW743111; ESTM12; MCT 6; MCT6; MCT 7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219645 representing NM\_001029842  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGGGCGTCGGGCCAAGGACCCAGAGCGCTCGGCGGGGATGGGCGACCCCGATGACAGCGCGTTA  
 CCTTCCGTGACCCAGCCCGGCAGCCGGCAGGCGGGCGCGTGCCTTGCAGCGCCCGATCCAGGTGG  
 GCCCGCGCGCGCACACAGGCCGCCCCCTCCTTGCAGGCGCTCGGCGCTCCAGCACATGGTCGGCGG  
 GCGCCCCGAGGCCGGCGGAGACCGGCTGCAGCCGATCAAGAATGACCCAAAAGAACTCGAAGCTTTGTG  
 CCAGAGCCAATGTGTATACCCAAGTGCCTGATGGAGGATGGGGCTGGGCGAGTGTCTTTCTTTTCTT  
 CGTTGAAGTCTTACCTATGGCATCATTAAAGTCATTTGGTGTCTTCTCAATGACTTAATGGACAGCTTT  
 GATGAATCCAATAGCAAGATCTCATGGATAATATCAATATGTGTATTTGTATTAAACATTTACAGCTCCC  
 TCTCCACAGTCTGAGCAACCGCTTCGGACATCGGCTGGTGGTGTGGCAGGCGGGTTGCTCATCAGCTT  
 GGAATGATCACCGCTCCTTCTCCAAAGGGTCTACCACATGTACATCTCCATAGGGGTAACTCTGGGT  
 TTAGGGTACTGCTTTAGTTTCTCCAACTGTGACCATTCTGTGCGAGTACTTTGACAAAAGGCGTTTCGG  
 TAGTCACCGCGGTCTTCTACGGGAGAGTGTTCGCGGTGTTTCTTTCGCACAGCTATCACAGCTCT  
 GAAGGAGCATATTGGCTGGAGATACAGCCTCCTTCTGTTGGGCTTCTGCAGCTGAACATCATGGTCTGC  
 GGCGCCTTGCTAAGACCAATTATATCCAAGGGCCGGGGCAATCACCGAAAGCAGTCACTCTGGAGCCCC  
 GCAGAGAAAGTTCAGTACATGCTTGAACAGGAAACACGGACCTCAATAGACTCCATCGACTCAGGAGT  
 AGAACTAACTACCTACCAAAAAATGTGCCTAGCGAAGCGAAGATGGAGCAGGAAACCAGGGCTGAGCAA  
 CAGCAGACCCTGGTACTGCCCAAGCACAGCCAGATGAAAGCCCCGCTGTTGGACTTCTCCGTCTTGA  
 AAGAAAAAGCTTCATTTGTTACGCTTTGTTGCGCCTCTCGCCACCCTGGGCTTCTTTGCGCCTCCCT  
 CTACATCATTCTTTGGGTATCAGTCTAGGCATTGACCCTGACCAGCGCTGCGTTTTTGTGTGACGATG  
 GCCATTGCGGAAGTGTTCGGAAGGATCGGGGCTGGGTTTGTCTCAACAGGGAGCCATTGCAAGATCT  
 ACATCGAACTCATCTGCGTCATTTTACTGACGCGTCTCTGTTGCGCTTCACTTTCGCTACCGAGTCTG  
 GGGCCTCATGCTGTGTAGCGTGTCTTTGGCAGCATGGTGGGACCATAGGAGGGACCCACATCCCAGT  
 TTGGCAGAGGATGACGTCGTTGGGATCGAGAAGATGTCATCTGCAGTGGAGTCTATGTCTTCATTGAG  
 GCATCTCGGGGCTTGGGGACACCCCTGGCAGGTCTGCTGGTTGACCAGAGCAAGATATACAGCAGGGC  
 CTTCTACTCTGCGCAGCCGCATGTGCCTGGCTGCCGTGCTCGCCCTGGTAAGACCCTGAAAAAG  
 GGCTGTGCCAGAATTCTATTAGGTGAGAACCAGACAGACCGGCAGCGTGGGAAGCGTTACAGGACA  
 TACCCGAAGACTTCTGAAAATGGATCTTGGGAAATGTGAACACAGGGCTCATATGAAAATGGATCCCGT  
 GTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001029842

**Insert Size:** 1824 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\\_001029842.1](#), [NP\\_001025013.1](#)

**RefSeq Size:** 4217 bp

**RefSeq ORF:** 1824 bp

**Locus ID:** 104681

**UniProt ID:** [B1AT66](#)

**Cytogenetics:** 11 E1

**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]