

## Product datasheet for **MC217496**

### **Slc16a6 (NM\_134038) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc16a6 (NM_134038) 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:** >MC217496 representing NM\_134038  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACCCAAAAGAACTCGAAGCTTTGTGCCAGAGCCAATGTGTATACCCAAGTGCCTGATGGAGGATGGG  
GCTGGGCAGTAGCTGTTTCTTTTTCTTCGTTGAAGTCTTCACCTATGGCATCATTAAAGTCAATTTGGTGT  
CTTCTTCAATGACTTAATGGACAGCTTTGATGAATCCAATAGCAAGATCTCATGGATAATATCAATATGT  
GTATTTGTATTAACATTTACAGCTCCCCTCTCCACAGTCTGAGCAACCGCTTCGGACATCGGCTGGTGG  
TGATGGCAGGCGGGTTGCTCATCAGCTTGGGAATGATCACCGCTCCTTCTCCAAAGGGTCTACCACAT  
GTACATCTCCATAGGGTAATCTCGGGTTAGGGTACTGCTTTAGTTTCTCCAACTGTGACCATTCTG  
TCGCAGTACTTTGACAAAAGGCGTTCGGTAGTCACCGCGTTCGCTTCTACGGGAGAGTGCCTCGCGGTGT  
TTGCTTTCGCACCAGCTATCACAGCTCTGAAGGAGCATATTGGCTGGAGATACAGCCTCCTTCTCGTGGG  
CCTTCTGCAGCTGAACATCATGGTCTGCGGCGCTTGTAAAGCAATTATTATCCAAGGCGCGGGCAA  
TCACCGAAAGCAGTCACTCTGGAGCCCCGAGAGAAGTTCAGTACATGCTTGAAAACGAGAAAACACGGA  
CCTCAATAGACTCCATCGACTCAGGAGTAGAACTAACTACCTCACAAAAAATGTGCCTAGCGAAGCGAA  
GATGGAGCAGGAAACCAGGGCTGAGCAACAGCAGACCCTGGTACTGCCCAAGCACAGCCAGATGAAA  
GCCCGCTGTTGGACTTCTCCGCTTGAAAGAGAAAAGCTTCATTTGTTACGCTTTGTTCCGGCTCTTCG  
CCACCTGGGCTTCTTTGCGCCTCCCTCTACATCATTCTTTGGGTATCAGTCTAGGCATTGACCCTGA  
CCGCGCTGCGTTTTGCTGTCGACGATGGCCATTGCGGAAGTGTTCGGAAGGATCGGGGCTGGGTTTGT  
CTCAACAGGGAGCCCATTCGCAAGATCTACATCGAACTCATCTGCGTCATTTTACTGACGGCGTCTGT  
TCGCCTTCACTTTCGCTACCGAGTTCGGGGCTCATGCTGTGTAGCGTGTCTTTGGCAGCATGGTTGG  
GACCATAGGAGGGACCCACATCCCGATGTTGGCAGAGGATGACGTCGTTGGGATCGAGAAGATGTCATCT  
GCAGCTGGAGTCTATGTCTTCATTCAGAGCATCTCGGGGCTTGCAGGACACCCCTGGCAGTCTGCTGG  
TTGACCAGAGCAAGATATACAGCAGGGCTTCTACTCCTGCGCAGCCGGCATGTGCCTGGCTGCCGTGTG  
CCTCGCCCTGGTAAGACCCTGTAAAAAGGGCTGTGCCAGAATTCTCATTAGGTGAGAACCAGACAGAC  
CGGCAGCGTGGGAAGGCGTTACAGGACATACCCGAAGACTTTCTGGAAATGGATCTTGGAAATGTGAAC  
ACAGGGCTCATATGAAAATGGATCCCGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_134038

**Insert Size:** 1572 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\\_134038.2](#), [NP\\_598799.1](#)

**RefSeq Size:** 4160 bp

**RefSeq ORF:** 1572 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]