

## Product datasheet for **MC219759**

### **Slc27a6 (NM\_001081072) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc27a6 (NM_001081072) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc27a6
Synonyms:	4732438L20Rik; FACVL2; FATP6; VLCS-H1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219759 representing NM\_001081072  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTCCTGTCATGGCTCACAGGATTGGGGCTGGACTGCTCCTGCATTTCTCGCAAACCTCTGT  
 TCCCGTATTTCTGGGATGATTTCTGGTACTTGCTGAAGGTGGTGCCTACGGAATTCAGATGGAGATGTA  
 CAAACTGAGGGGGGAGCTGGTACCGGTGCTGGATAAGTTCCTGAGCCACACCAGGAAGCAACCACGGAAA  
 GCCTTCATCATTTATGAGGGGGACGTCTACACCTACGAGGACGTGGACAAGAGGAGTAACAGAATAGCCC  
 ACGCTCTCCTGAACCACTCCTCGCTGAAAAGGGGGACGTTGTGGCTTTGTTGATGAGCAACGAGCCGA  
 CTTGTTTCATGTGTGGTTTGGCCTGGCTAACTGGGCTGCGTGGTGGCCTTCTCAACTCCAACCTTCGC  
 TTCGATTCCTCTACACTGCATCAACACCTGTGAACCACTGCCGTGGTGGTGGCGGAGATTTGCTTG  
 GAAGCATAGAAGAAATACTTCCAGTCTCCAAAACACGTGAGAGTTGGGAATGAAGGATTCTGTTC  
 AGAAGGTATAGATTCACCTCAAGAAAAGCTGAGTCTCGCCTCTGATGAGCCAGTACCACCAAGCCATCAT  
 GTCACCTCAAGCCTCAAGTCTACTTGCCTCTACATTTTTACCTCTGGAACAACAGGTCTACCCAAAGCAG  
 CTGTGATTAGCCAGTTGCAAGTGTGAAGGGATCTGTTGGGCTATGGCGCTTTGGCTGCACAGCTGATGA  
 CATCATTTATATAACCTCCCTCTGTACCACAGCTCAGGGTCTCTCCTTGGAAATGGTGGATGTGTTGAG  
 TTGGGCGCCACGTGTGTGCTAAAGAAGAAATCTCCGCAAGCCAGTTTGGAAATGATTGCAAGAAGTACA  
 ACGTGACTGTGTTTCAGTACATTGGGAACTTTGCCGTTATCTGTGCAACAGCCTCAGAGAGAAGGGGA  
 AAAGGACCATCGGGTACGTTTGGCAGTTGGAACGGTTGAGCAGTGTGTGGAGACAATTTTAGAC  
 AGATTTGGAAATATTAATAATGTGTGAAGTGTACGAGCTACCGAAGGAAACATAGTCTTCATGAACCATA  
 CTGGGAAGATTGGATCTGTGCGGAGAGCAAATTTCTTCTACAGTCTTTTTCTCCTTTGAGTTGATCAA  
 GTATGACTTTTCAGAAAAGATGAACCATGGCGGAACGGACAAGGCTGGTGTCTGTGTGAGAAAAGGAGAA  
 CCTGGTCTCCTCATTTCTCGTGTGAATAAGAAGAATCCCTTCTTCGGCTACGCTGGCTCGGACACGCACA  
 CGAAAAGCAAGCTGCTCTTTGATGTGTTTGGAAAGGAGAGCTGACTTCAACACCGGAGACCTAATGTT  
 CCAAGACCAGGAGAACTTCGTTTATTTTGGGACCGTCTTGGAGACACTTTCAGGTGAAAGGAGAAAAAC  
 GTCGCAACCACAGAGGTCGCTGATGTGCTTGGGAGGTTGGACTTCATCCAGGAAGCAAACGTGTACGGTG  
 TCGTGTGCCAGGTTATGAAGGAAAAGCAGGAATGACTTCTGTTATCCTAAAACCAAACAAGTCTTTAGA  
 CTTAGAAAAAATGTACAACCAAGTGGTGCATCTCTGCCAGTACGCTGCCACTGTTTTAAGAAATT  
 CAGGACAAAATGGAACTACAGGACATTAAGCTAAAGAAGCTACAACCTGGTGGAGAAGGATTTGATC  
 CGCTGAAGATTTCTGACCCGCTTACTTTATGGATAACTTGAAAAATCTTATGTCCATTGACCGAAGA  
 GATTTATAATCAGATAATGTCAGAGGAAGTTAACT**GTA**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001081072

**Insert Size:** 1860 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\\_001081072.1](#), [NP\\_001074541.1](#)

**RefSeq Size:** 2598 bp

**RefSeq ORF:** 1860 bp

**Locus ID:** 225579

**UniProt ID:** [E9Q9W4](#)

**Cytogenetics:** 18 D3

**Gene Summary:** Involved in translocation of long-chain fatty acids (LFCA) across the plasma membrane (PubMed:15699031). Thought to function as the predominant fatty acid protein transporter in heart (By similarity). Has acyl-CoA ligase activity for long-chain and very-long-chain fatty acids (VLCFAs) (PubMed:15699031).[UniProtKB/Swiss-Prot Function]