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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219759 representing NM_001081072
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCTGTCATGGCTCACAGGATTGGGGGCTGGACTGCTCTCCCTGCATTTCCTGCAGAAACTTCTGT
TCCCGTATTTCTGGGATGATTTCTGGTACTTGCTGAAGGTGGTGCGCTACGGAATTCAGATGGAGATGTA
CAAACTGAGGGGGGAGCTGGTCACGGTGCTGGATAAGTTCCTGAGCCACACCAGGAAGCAACCACGGAAA
GCCTTCATCATTTATGAGGGGGACGTCTACACCTACGAGGACGTGGACAAGAGGAGTAACAGAATAGCCC
ACGCTCTCCTGAACCACTCCTCGCTGAAAAGGGGGGACGTTGTGGCTTTGTTGATGAGCAACGAGCCCGA
CTTCGTTCATGTGTGGTTTGGCCTGGCTAAACTGGGCTGCGTGGTGGCCTTCCTCAACTCCAACCTTCGC
TTCGATTCCCTCCTACACTGCATCAACACCTGTGAACCCACTGCCGTGGTGGTGGGCGGAGATTTGCTTG
GAAGCATAGAAGAAATACTTCCCAGTCTCCCAAAACACGTCAGAGTTTGGGGAATGAAGGATTCTGTTCC
AGAAGGTATAGATTCACTCCAAGAAAAGCTGAGTCTCGCCTCTGATGAGCCAGTACCACCAAGCCATCAT
GTCACCTCAAGCCTCAAGTCTACTTGCCTCTACATTTTTACCTCTGGAACAACAGGTCTACCCAAAGCAG
CTGTGATTAGCCAGTTGCAAGTGTTGAAGGGATCTGTTGGGCTATGGGCGTTTGGCTGCACAGCTGATGA
CATCATTTATATAACCCTCCCTCTGTACCACAGCTCAGGGTCTCTCCTTGGAATTGGTGGATGTGTTGAG
TTGGGCGCCACGTGTGTGCTAAAGAAGAAATTCTCCGCAAGCCAGTTTTGGAATGATTGCAAGAAGTACA
ACGTGACTGTGTTTCAGTACATTGGGGAACTTTGCCGTTATCTGTGCAAACAGCCTCAGAGAGAAGGGGA
AAAGGACCATCGGGTACGTTTGGCAGTTGGAAACGGTTTGAGCAGTGATGTGTGGAGACAATTTTTAGAC
AGATTTGGAAATATTAAAATGTGTGAACTGTACGGAGCTACCGAAGGAAACATAGTCTTCATGAACCATA
CTGGGAAGATTGGATCTGTCGGGAGAGCAAATTTCTTCTACAGTCTCTTTTTCTCCTTTGAGTTGATCAA
GTATGACTTTCAGAAAGATGAACCATGGCGGAACGGACAAGGCTGGTGCTCCTGTGTGAGAAAAGGAGAA
CCTGGTCTCCTCATTTCTCGTGTGAATAAGAAGAATCCCTTCTTCGGCTACGCTGGCTCGGACACGCACA
CGAAAAGCAAGCTGCTCTTTGATGTGTTTCGGAAGGGAGACGTGTACTTCAACACCGGAGACCTAATGTT
CCAAGACCAGGAGAACTTCGTTTATTTTTGGGACCGTCTTGGAGACACTTTCAGGTGGAAAGGAGAAAAC
GTCGCAACCACAGAGGTCGCTGATGTGCTTGGGAGGTTGGACTTCATCCAGGAAGCAAACGTGTACGGTG
TGCGTGTGCCAGGTTATGAAGGAAAAGCAGGAATGACTTCTGTTATCCTAAAACCAAACAAGTCTTTAGA
CTTAGAAAAAATGTACAACCAAGTGGTGACATCTCTGCCAGCTTACGCCTGCCCACTGTTTTTAAGAATT
CAGGACAAAATGGAAACTACAGGGACATTCAAGCTAAAGAAGCTACAACTGGTGGAAGAAGGATTTGATC
CGCTGAAGATTTCTGACCCGCTTTACTTTATGGATAACTTGAAAAAATCTTATGTCCCATTGACCGAAGA
GATTTATAATCAGATAATGTCAGAGGAAGTTAAACTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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).

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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]

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