

## Product datasheet for **SC112619**

### SLC27A6 (NM\_014031) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC27A6 (NM_014031) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC27A6
Synonyms:	ACSVL2; FACVL2; FATP6; VLCS-H1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112619 sequence for NM\_014031 edited (data generated by NextGen Sequencing)

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ATGCTTCTGTCATGGCTAACAGTTCTAGGGGCTGGAATGGTCGTCCTGCACTTCTTGCGAG
AAACTCCTGTTCCCTTACTTTTGGGATGACTTCTGGTTCGTGTTGAAGGTGGTGCATT
ATAATTCGGCTGAAGAAGTATGAAAAGAGAGGGGAGCTGGTGACTGTGCTGGATAAATTC
TTGAGTCATGCCAAAAGACAACCTCGGAAACCTTTCATCATCTATGAGGGAGACATCTAC
ACCTATCAGGATGTAGACAAAAGGAGCAGCAGAGTGGCCATGTCTTCTGAACCATTCC
TCTCTGAAAAAGGGGACACGGTGGCTCTGCTGATGAGCAATGAGCCGGACTTCGTTTAC
GTGTTGTTTCGGCCTCGCCAAGCTGGGCTGCGTGGTGGCCTTTCTCAACACCAACATTGCG
TCCAACCTCCCTCCTGAATTGCATCCGCGCCTGTGGGCCAGAGCCCTAGTGGTGGGCGCA
GATTTGCTTGAACGGTAGAAGAAATCCTTCCAAGCCTCTCAGAAAAATCAGTGTTTGG
GGGATGAAAGATTCTGTTCCACAAGGTGTAATTTCACTCAAAGAAAACTGAGCACCTCA
CCTGATGAGCCCCTGCCACGCAGCCACCATGTTGTCTCACTCCTCAAGTCTACTTGTCTT
TACATTTTACCTCTGGAACAACAGGTCTACAAAAGCAGCTGTGATTAGTCAGCTGCAG
GTTTTAAGGGTCTGCTGTCTGTGGGCTTTTGGTTGACTGCTCATGACATTGTTTAT
ATAACCTTCTCTGTATCATAGTTCAGCAGCTATCCTGGGAATTTCTGGATGTGTTGAG
TTGGGTGCCACTTGTGTGTTAAAGAAGAAATTTTCAGCAAGCCAGTTTTGGAGTGACTGC
AAGAAGTATGATGTGACTGTGTTTCAAGTATATTGGAGAATTTGTGCTACCTTTGCAAA
CAATCTAAGAGAGAAGGAGAAAAGGATCATAAGGTGCGTTTGGCAATTGGAAATGGCATA
CGGAGTGATGTATGGAGAGAATTTTAGACAGATTTGGAAATATAAAGGTGTGTGAACCTT
TATGCAGCTACCGAATCAAGCATATCTTTCATGAACACTACTGGGAGAATTGGAGCAATT
GGGAGAACAATTTGTTTTACAACTTCTTTCCACTTTTACTTAATAAAGTATGACTTT
CAGAAAGATGAACCCATGAGAAATGAGCAGGTTGGTGTATTCATGTGAAAAAAGGAGAA
CCTGGACTTCTCATTCTCGAGTGAATGCAAAAAATCCCTTCTTTGGCTATGCTGGGCT
TATAAGCACACAAAAGACAAATTGCTTTGTGATGTTTTAAGAAGGGAGATGTTTACCTT
AATACTGGAGACTTAATAGTCCAGGATCAGGACAATTTCTTTATTTTGGGACCGTACT
GGAGACACTTTCAGATGGAAAGGAGAAAATGTCGCAACCACTGAGGTTGCTGATGTTATT
GGAATGTTGGATTTACATACAGGAAGCAAACGTCTATGGTGTGGCTATATCAGGTTATGAA
GGAAGAGCAGGAATGGCTTCTATTATTTAAAACCAAATACATCTTTAGATTTGGAAAAA
GTTTATGAACAAGTTGTAACATTTCTACCAGCTTATGCTTGTCCACGATTTTAAAGAATT
CAGGAAAAAATGGAAGCAACAGGAACATTCAAACCTATTGAAGCATCAGTTGGTGGAGAT
GGATTTAATCCACTGAAAATTTCTGAACCACTTACTTCATGGATAACTTGAAAAAGTCT
TATGTTCTACTGACCAGGAACTTTATGATCAAATAATGTTAGGGGAAATAAAACCTTAA
```

Clone variation with respect to NM\_014031.3

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014031 unedited  
 NGGGTCGCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACCAGGTTTCTGGT  
 GCGTAGAGACTGTAATCGCTGCGCTTCTCAGTCATCATCATCCCAGCTTTTCCCGGCTC  
 GAATTCAGCCTCCAACCTCAAGCTCGCGGAAAGACTACCTGAGAGGAGAAAAGCTTCTGT  
 CCCTGGACCTTCTTCTGAGGGATTCTCCCATCCCGCTTCGCCCCGAAAAGCTGACAA  
 GAACTTCAGGTGTAAGCCCTGAGTAGTGAGGATCTGCGGTCTCCGTGGAGAGCTGTGCCT  
 GGAAGAGAAGGACGCTGGTGGGGCTGAGATCAGAGCTGTCTTCTGGCCCCAGTTGCCCCC  
 ATGCTTCTGTATGGCTAACAGTTCTAGGGGCTGGAATGGTCGTCCTGCACCTTCTGCAG  
 AAACCTCTGTTCCCTTACTTTTGGGATGACTTCTGGTTCGTGTTGAAGGTGGTGCTCATT  
 ATAATTCGGCTGAAGAAGTATGAAAAGAGAGGGGAGCTGGTGACTGTGCTGGATAAATTC  
 TTGAGTCATGCCAAAAGACAACCTCGGAAACCTTTCATCATCTATGAGGGAGACATCTAC  
 ACCTATCAGGATGTAGACAAAAGGAGCAGCAGAGTGGCCCATGTCTTCTGAACCATTCC  
 TCTCTGAAAAGGGGGACACGGTGGCTCTGCTGATGAGCAATGAGCCGACTTCGTTACAG  
 TGTGGTTCGGCTCGCCAAGCTGGGCTGCGTGGTGGCCTTCTCACACCAACATTCGCTC  
 CAACTCCCTTCTGAATTGCATCCGCGCTGTGGGCCAGAGCCCTANTGGTGNNCGCGAG  
 ATNTGCTTGGNAACGGTAGAAGAAATCCTCCAGCCTCTCAANATATATCATGGTTTGGG  
 GGGATGAAAGANCTGGTCCCAAGGTTGTAATTTACTCAAGAANAAGTGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014031 unedited  
 CCACGGTGAAGCGCGGCTCCCATGCTAGGTACAGTCTGGGGTAGGGTCACAGGGATTGC  
 CACCCGGGTTCTGAACAGGAACTTTACTTATCAGAAAGCTACATTTTTAGTGATGGTCC  
 AAACCGCTAGCCACTATTTATTATTTAAAATCTTTAGTATTAAGGAAAATACTTAGTTAT  
 GCACTGTAATCTCAAAGAGATAAAAAGAATAATCAACTAATGTTTATATCACTTAAAAG  
 AAATTGAAATTTATGCTATTCAAAAATTATCTCTCATATTAAGGAAATATAGTACATG  
 CAGAATTAATGTTAGCTCCCTTTCCCATTTTATAAAGAATCATATACCCCTCTCACT  
 CTTCTAAGAAAGCATATGACAGTTCTAGAGATAAAAACTTAAAGTTTTATTTCCCTA  
 ACATTTATTTGATCATAAAGTTCCCTGGTCAGTACAACATAAGACTTTTTCAAGTTATCCA  
 TGAAGTAAAGTGGTTCACAAATTTTTCAGTGGACTAAATCCATCTGCACCAACTGATGCT  
 TCAATAGTTTGAATGTTCTGTTGCTTCCATTTTTTCCAGAATTTTAAAGGATCGTGTAC  
 ATGCATAAGCTGGTGGAGATGTTACAACCTTATGATGATACAGTTTTTCCAAATCTAAAGATG  
 TATTTGGTTTTTAAAATAGTACGAAGCCATTCCCTGCTCTTACCCTTATACCTTGATAT  
 AAGCCACTCCCTTAAACTTTTACTTTCTGTTTGGAAATCCCAACTTTTCCAATAACAA  
 TCCCCGACCTTCATTGGTTGCCACCGATTTTCTCCTTTTCCATACGGAAAAGTGTCTTC  
 CCGAGACGGGACCCCAAAAATTAAGGGAAATTTGCCGGATCCCGGGCGCTTTAAGTCC  
 TTC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014031

**Insert Size:**

2500 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_014031.3</a> , <a href="#">NP_054750.1</a>
<b>RefSeq Size:</b>	2617 bp
<b>RefSeq ORF:</b>	1860 bp
<b>Locus ID:</b>	28965
<b>UniProt ID:</b>	<a href="#">Q9Y2P4</a>
<b>Cytogenetics:</b>	5q23.3
<b>Domains:</b>	AMP-binding
<b>Protein Pathways:</b>	PPAR signaling pathway
<b>Gene Summary:</b>	<p>This gene encodes a member of the fatty acid transport protein family (FATP). FATPs are involved in the uptake of long-chain fatty acids and have unique expression patterns. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the same protein as variants 2 and 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>