

## Product datasheet for **SC322108**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for SC322108  
 GGGCTTCCCTCGGGTGTGAGCAGGTCGGCGGCCACACTTCTCTAGGTGGCCGGACG  
 CGCGCCAGGGAGGAGCTGGCGGCGGGCCAGGCTGTTCCGGCTGCGGCACGCCAGGGG  
 ATGTGGTTAGCCCTGAGCCTGGAGGCCAAGGTGGGCAGGCAACACTCCCACCGTGTTC  
 GTAGGAGAATACTAGGCTAGCCTAACGACACTCGGAGTGCAGCTGCGGCTGGGGTAG  
 GGGCACCCCTTCCAGCGGGCGCGTGGTCAACAAGGAGCAGTTCTCCGGGACCCGTTGC  
 GTCCGAGGGACTGGCGGGGCTGGGCGGGCAGGACGGGGCGGGCGCTCAGGAGCCCTGG  
 AACCCGCTGGCCCTGAGGCCACGACCGAGGCGTGGTGTGAGCCCTGCGCGGTTTCTG  
 GTGCGTAGAGACTGTAATTCGCTGCGCTTCTCAGTCATCATCATCCCAGCTTTTCCCGGC  
 TCGAATTCAGCCTCCAACCTCAAGCTCGCGGAAAGACTACCTGAGAGGAGAAAAGCTTCT  
 GTCCCTGGACCTTCTTCTGAGGGTGGTGGGTTTGTAGGGTCGCAGAAGCAGGGAGGA  
 CTGACTCAGCCCTCACAGAGAAGAGGTCTGAAAGTCTGGGAACTCGCAGGGCACGGG  
 CCGCTGTCGCGGTTGGGAGGCGAGGGCGCAGCGCTGGGGTTGTAGATTCCAAGACCCTG  
 AGGGTGGCTGTGTGGTTTCTCGCAGGAGTCGGAGGCTCCCTGCTCTCCAGCCGCCAGT  
 GACCCAAGCTTAATCTTACGACCACTTGGGGCGACCTTTTCGGTGCAAACCTACGATTC  
 TGTTTCTCAGGATTCTCCCATCCCCTTCGCCCGGAAAAGCTGACAAGAACTTCAGG  
 TGTAAGCCCTGAGTAGTGAGGCTCTGCGGTCTCCGTGGAGAGCTGTGCCTGGAAGAGAAG  
 GACGCTGGTGGGGCTGAGATCAGAGCTGTCTTCTGGCCAGTAGCCCCATGCTTCTGT  
 CATGGCTAACAGTTCTAGGGGCTGGAATGGTCGTCTGCACTTCGTGCAGAACTCCTGT  
 TCACCTACTTTTGGGATGACTTCTGGTTCGTGTTGAAGGTGGTGCCTATTATAATTCGGC  
 TGAAGAAGTACGAAAAGAGAGGGGAGCTGGTACTGTGCTGGATAAATCTTGAGTCATG  
 CAAAAGACAACCTCGGAAACCTTTCATCATCTATGAGGGAGACATCTACACCTATCAGG  
 ATGTAGACAAAAGGAGCAGCAGAGTGGCCATGTCTTCCCTGAACCATTCTCTGAAAA  
 AGGGGGACACGGTGGCTCTGCTGATGAGCAATGAGCCGGACTTCGTTACAGTGTGGTTCG  
 GCCTCGCAAGCTGGGCTGCGTGGTGGCTTTCTCAACACCAACATTCGCTCCAACCTCCC  
 TCCTGAATTGCATCCGCGCTGTGGGCCAGAGCCCTAGTGGTGGGCGCAGATTTGCTTG  
 GGACGGTAGAAGAAATCCTTCCAAGCCTCTCAGAAAATATCAGTGTGGGGGATGAAAG  
 ATTCTGTCCACAAGGTGAATTTCACTCAAAGAAAACCTGAGCACCTCACCTGATGAGC  
 CCGTGCCACGCAGCCACCATGTTGTCTCACTCATCAAGTCTACTTGTCTTTACATTTTAA  
 CCTCTGGAACAACAGGTCTACAAAAGCAGCTGTGATTAGTCAGTGCAGTTTTAAGGG  
 GTTCTGCTGTCTGTGGGCTTTTGGTGTACTGCTCATGACATTTTATATAACCTTC  
 CTCTGTATCATAGTTCAGCAGCTATCCTGGGAATTTCTGGATGTGTTGAGTTGGGTGCCA  
 CTTGTGTGTTAAAGAAGAAATTTTCAGCAAGCCAGTTTTGGAGTGACTGCAAGAAGTATG  
 ATGTGACTGTGTTTCAGTATATTGGAGAACTTTGTGCTACCTTTGCAAACAATCTAAGA  
 GAGAAGGAGAAAAGGATCATAAGGTGCGTTTGGCAATTGGAAATGGCATAACGGAGTGATG  
 TATGGAGAGAATTTTAGACAGATTTGGAATATAAAGGTGTGTGAACCTTATGCAGCTA  
 CCGAATCAAGCATATCTTTCATGAACACTACACTGGGAGAATTGGAGCAATTGGGAGAACAA  
 ATTTGTTTTACAACTTCTTCCACTTTTGACTTAATAAAGTATGACTTTCAGAAAAGATG  
 AACCCATGAGAAATGAGCAGGTTGGTGTATTCATGTGAAAAAAGGAGAACCTGGACTTC  
 TCATTTCTCGAGTGAATGCAAAAAATCCCTTCTTGGCTATGCTGGGCCTTATAAGCACA  
 CAAAAGACAAATTGCTTTGTGATTTTTAAGAAGGGAGATGTTTACCTTAATACTGGAG  
 ACTTAATAGTCCAGGATCAGGACAATTTCTTTATTTTTGGACCGTACTGGAGACACTT  
 TCAGATGGAAAGGAGAAAATGTCGCAACCACTGAGGTTGCTGATGTTATTGGAATGTTGG  
 ATTTTCATACAGGAAGCAAACGTCTATGGTGTGGCTATATCAGGTTATGAAGGAAGAGCAG  
 GAATGGCTTCTATTATTTAAAACCAAATACATCTTTAGATTTGGAAAAAGTTTATGAAC  
 AAGTTGTAACATTTCTACCAGCTTATGCTTGTCCACGATTTTTAAGAATTCAGGAAAAAA  
 TGAAGCAACAGGAACATTCAAACCTATTGAAGCATCAGTTGGTGAAGATGGATTTAATC  
 CACTGAAAATTTCTGAACCACTTACTTTCATGGATAACTTGAAAAAGTCTTATGTTCTAC  
 TGACCAGGGAACCTTATGATCAAATAATGTTAGGGGAAATAAACTTTAAGATTTTTATA  
 TCTAGAAAAA

**Restriction Sites:**

Please inquire

<b>ACCN:</b>	NM_014031
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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>	<u><a href="#">NM_014031.3</a></u> , <u><a href="#">NP_054750.1</a></u>
<b>RefSeq Size:</b>	2617 bp
<b>RefSeq ORF:</b>	1860 bp
<b>Locus ID:</b>	28965
<b>UniProt ID:</b>	<u><a href="#">Q9Y2P4</a></u>
<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>