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# Product datasheet for RC215758L1V

## SLC27A5 (NM_012254) Human Tagged ORF Clone Lentiviral Particle

### Product data:

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| **Product Type:** | Lentiviral Particles |
| **Product Name:** | SLC27A5 (NM_012254) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | SLC27A5 |
| **Synonyms:** | ACSB; ACSVL6; BACS; BAL; FACVL3; FATP-5; FATP5; VLACSR; VLCS-H2; VLCSH2 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_012254 |
| **ORF Size:** | 2070 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC215758). |
| **OTI Disclaimer:** | Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.<br><br>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_012254.2 |
| **RefSeq Size:** | 2378 bp |
| **RefSeq ORF:** | 2073 bp |

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| **Locus ID:** | 10998 |
| **UniProt ID:** | Q9Y2P5 |
| **Cytogenetics:** | 19q13.43 |
| **Domains:** | AMP-binding |
| **Protein Families:** | Transmembrane |
| **Protein Pathways:** | Metabolic pathways, PPAR signaling pathway, Primary bile acid biosynthesis |
| **MW:** | 75.4 kDa |
| **Gene Summary:** | The protein encoded by this gene is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is capable of activating very long-chain fatty-acids containing 24- and 26-carbons. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. Its primary role is in fatty acid elongation or complex lipid synthesis rather than in degradation. This gene has a mouse ortholog. [provided by RefSeq, Jul 2008] |