

Product datasheet for **SC312587**

SLC27A4 (BC009959) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC27A4 (BC009959) Human Untagged Clone
Tag: Tag Free
Symbol: SLC27A4
Synonyms: ACSVL4; FATP4; fatty acid transport protein 4; OTTHUMP00000022264; solute carrier family 27 (fatty acid transporter), member 4

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for BC009959, the custom clone sequence may differ by one or more nucleotides
ATGCCCCACGCTGTCTACGCTGCTGCAACCGGCCGCATCTGGACGGGGCCGCGCGG
GCGGAGCCGACGCGGGCCACAATGCTGCTTGGAGCCTCTCTGGTGGGGTGCTGCTGTT
CTCCAAGCTGGTCTGAACTGCCTGGACCCAGGTGGGATTCTCCCTGTTGTTCTCTA
CTTGGGATCTGGCGGCTGGCGCTTCATCCGGTCTTCATCAAGACCATCAGGCCTACCTT
ACTGGTGTGCTGGTGTGACGAGCTGGGCTACCTGTACTTCCGAGACCGCACTGGG
GACACGTTCCGCTGAAAAGGTGAGAACGTGTCCACCACCGAGGTGGAAGGCACACTCAGC
CGCCTGCTGGACATGGCTGACGTGGCCGTGTATGGTGTGAGGTGCCAGGAACCGAGGGC
CGGGCCGGAATGGCTGCTGTGGCCAGCCCACTGGCAACTGTGACCTGGAGCGCTTTGCT
CAGGTCTTGGAGAAGGAAGTGCCTGTATGCGCGCCCATCTTCTGCGCTCCTCGCT
GAGCTGCACAAAACAGGAACCTACAAGTTCAGAAAGACAGAGCTACGGAAGGAGGGCTTT
GACCCGGCTATTGTAAAAGACCCGCTGTTCTATCTAGATGCCAGAAAGGGCCGCTACGTC
CCGCTGGACCAAGAGGCCTACAGCCGCATCCAGGCAGGGCAGGAGAAGCTG

Restriction Sites: Please inquire

ACCN: BC009959

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).

OTI Annotation: 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.

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: [BC009959.1](#), [AAH09959.1](#)

RefSeq Size: 1583 bp

RefSeq ORF: 714 bp

Locus ID: 10999

Cytogenetics: 9q34.11

Protein Families: Transmembrane

Protein Pathways: PPAR signaling pathway

Gene Summary: This gene encodes a member of a family of fatty acid transport proteins, which are involved in translocation of long-chain fatty acids cross the plasma membrane. This protein is expressed at high levels on the apical side of mature enterocytes in the small intestine, and appears to be the principal fatty acid transporter in enterocytes. Clinical studies suggest this gene as a candidate gene for the insulin resistance syndrome. Mutations in this gene have been associated with ichthyosis prematurity syndrome. [provided by RefSeq, Apr 2010]