

Product datasheet for **SC333476**

CLPS (NM_001252597) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLPS (NM_001252597) Human Untagged Clone
Tag: Tag Free
Symbol: CLPS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC333476 representing NM_001252597.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATTCTCCTGCCTCAGCCTCCAAGAAGCTGGGATTACAGGAGAACGGTGAGCTCTGCATGAATAGT
GCCAGTGTAAAGACAAATTGCTGCCAGCATTCAAGTGCCTGGGCTGGCCCGCTGCACATCCATGGCC
AGCGAAGACAGCGAGTGTCTGTCAAGACGCTCTATGGGATTTACTACAAGTGTCCCTGTGAGCGTGGC
CTGACCTGTGAGGGAGACAAGACCATCGTGGGCTCCATCACCAACACCAACTTTGGCATCTGCCATGAC
GCTGGACGCTCCAAGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI
ACCN: NM_001252597
Insert Size: 297 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_001252597.1](#)

RefSeq Size: 676 bp

RefSeq ORF: 297 bp

Locus ID: 1208

Cytogenetics: 6p21.31

Protein Families: Secreted Protein, Transmembrane

MW: 10.6 kDa

Gene Summary: The protein encoded by this gene is a cofactor needed by pancreatic lipase for efficient dietary lipid hydrolysis. It binds to the C-terminal, non-catalytic domain of lipase, thereby stabilizing an active conformation and considerably increasing the overall hydrophobic binding site. The gene product allows lipase to anchor noncovalently to the surface of lipid micelles, counteracting the destabilizing influence of intestinal bile salts. This cofactor is only expressed in pancreatic acinar cells, suggesting regulation of expression by tissue-specific elements. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) contains an alternate exon compared to variant 1. Translation of variant 2 begins in the alternate exon, and the resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.