

Product datasheet for **SC122609**

CLPS (NM_001832) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLPS (NM_001832) Human Untagged Clone
Tag: Tag Free
Symbol: CLPS
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001832 edited
 GTCTCCCGCCACCCACACCAGCTGTCCCACTCGCCATGGAGAAGATCCTGATCCTCCTGC
 TTGTGCGCCTCTCTGTGGCCTATGCAGCTCCTGGCCCCGGGGATCATTATCAACCTGG
 AGAACGGTGAGCTCTGCATGAATAGTGCCAGTGAAGAGCAATTGCTGCCAGCATTCAA
 GTGCGCTGGGCCCTGGCCGCTGCACATCCATGGCCAGCGAGAACAGCGAGTGCTCTGTCA
 AGACGCTCTATGGGATTTACTACAAGTGTCCCTGTGAGCGTGGCCTGACCTGTGAGGGAG
 ACAAGACCATCGTGGGCTCCATCACCAACCAACTTTGGCATCTGCCATGACGCTGGAC
 GCTCCAAGCAGTGAGACTGCCACCCACTCCCACACCTAGCCCAGAATGCTGTAGGCCAC
 TAGGGCAGGGGCATCTCTCCCTGCTCCAGCGCATCTCCCGGCTGGCCACCTCCTTGA
 CCAGCATATCTGTTTTCTGATTGCGCTTTCACAATTAAGGCCTCCTGCAAACCGTAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001832 unedited
 NNNCCGTCAAATTTTGTATACGACTCACTATAGGCGGCCGCAATTCGCCATTACGGCCG
 GGGGTCTCCCGCCACCCACACCAGCTGTCCCACTCGCCATGGAGAAGATCCTGATCCTCC
 TGCTTGTGCGCCTCTCTGTGGCCTATGCAGCTCCTGGCCCCGGGGATCATTATCAACC
 TGGAGAACGGTGAGCTCTGCATGAATAGTGCCAGTGAAGAGCAATTGCTGCCAGCATT
 CAAGTGCCTGGGCCCTGGCCGCTGCACATCCATGGCCAGCGAGAACAGCGAGTGCTCTG
 TCAAGACGCTCTATGGGATTTACTACAAGTGTCCCTGTGAGCGTGGCCTGACCTGTGAGG
 GAGACAAGACCATCGTGGGCTCCATCACCAACCAACTTTGGCATCTGCCATGACGCTG
 GACGCTCCAAGCAGTGAGACTGCCACCCACTCCCACACCTAGCCCAGAATGCTGTAGGC
 CACTAGGCGCAGGGGCATCTCTCCCTGCTCCAGCGCATCTCCCGGCTGGCCACCTCCT
 TGACCAGCATATCTGTTTTCTGATTGCGCTTTCACAATTAAGGCCTCCTGCAAACCGT
 AAAAAANAAAAAAAAAAAAAAAAAAAAAAAAAACATGTTCCGCCGCTCGGCCCTCGACTCT
 AGATTGCGCCCGGTCATAGCTGTTTCCTGAACAGATCCCGGTGGCATCCCTGTGACC
 CCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTC
 TAATAAAATTAAGTTGCATATTTGTCTGACTAGGTGTCTTCTATAAATTATGGGTGG
 AGGGGGGGTGGGTTTGGANCAGGGGGCANNTTGGAAAACAACCTGTAGGGGCTGGGG
 GGTCAATTGGGAACCAACTG



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Restriction Sites:	Please inquire
ACCN:	NM_001832
Insert Size:	568 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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001832.2</u> , <u>NP_001823.1</u>
RefSeq Size:	539 bp
RefSeq ORF:	339 bp
Locus ID:	1208
UniProt ID:	<u>P04118</u>
Cytogenetics:	6p21.31
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>