

Recombinant Human CLPS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CLPS-1844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CLPS MS Standard C13 and N15-labeled recombinant protein (NP_001823) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	12 kDa
AA Sequence	MEKILILLVVALSVAYAAPGPRGIIINLENGELCMNSAQCKSNCCQHSSALGLARCTS MASENSECSVKTLTYGIYYKPCERGLTCEGDKTIVGSITNTNFGICH DAGRSKQTRT RPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

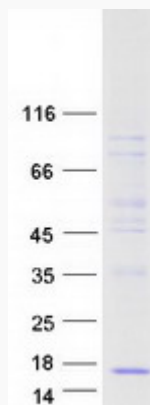
GENE INFORMATION

Gene Name	CLPS colipase [Homo sapiens (human)]
Official Symbol	CLPS
Synonyms	CLPS; colipase; colipase; colipase, pancreatic; pancreatic colipase preproprotein
Gene ID	1208
mRNA Refseq	NM_001832
Protein Refseq	NP_001823
MIM	120105
UniProt ID	P04118

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SDS-PAGE

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