

Recombinant Human CLPS Protein, MYC/DDK-tagged

Cat. No. CLPS-3260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLPS protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	10.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	CLPS colipase, pancreatic [Homo sapiens]
Official Symbol	CLPS
Synonyms	OTTHUMP00000016271; colipase; pancreatic colipase preproprotein; colipase, pancreatic
Gene ID	1208
mRNA Refseq	NM_001832
Protein Refseq	NP_001823
MIM	120105
UniProt ID	P04118

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