

Recombinant Human CLPS Protein, GST-tagged

Cat. No. CLPS-1514H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLPS full-length ORF (AAH07061, 1 a.a. - 112 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2011]
Molecular Mass	38.06 kDa
AA Sequence	MEKILILLVVALSVAYAAPGPRGIINLENGELCMNSAQCKSNCCQHSSALGLARCTS MASENSECSVKTLTYGIYYKPCERGLTCEGDKTIVGSITNTNFGICH DAGRSKQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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