

Recombinant Human CLPS Protein, His-tagged

Cat. No. CLPS-2057H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLPS/Colipase Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met1-Gln112) of human CLPS/Colipase (Accession #NP_001823.1) fused with a 6×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Gln112
Description	Colipase is a protein co-enzyme required for optimal enzyme activity of pancreatic lipase. It is secreted by the pancreas in an inactive form, procolipase, which is activated in the intestinal lumen by trypsin. Its function is to prevent the inhibitory effect of bile salts on the lipase-catalyzed intraduodenal hydrolysis of dietary long-chain triglycerides. In humans, the colipase protein is encoded by the CLPS gene.
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90% as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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