

Datasheet for ABIN7534021 **CLPS Protein (His tag)**

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Overview

Quantity:	100 µg
Target:	CLPS
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLPS protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Colipase/CLPS Protein
Sequence:	MEKILILLLV ALSVAYAAPG PRGIINLEN GELCMNSAQC KSNCCQHSSA LGLARCTSMA SENSECSVKT LYGIYYKCPC ERGLTCEGDK TIVGSITNTN FGICHDAGRS KQ
Specificity:	Met1-Gln112
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target:	CLPS
Alternative Name:	Colipase/CLPS (CLPS Products)
Background:	Description: The protein is a cofactor needed by pancreatic lipase for efficient dietary lipid

Target Details

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.

Name: CLPS,colipase

Gene ID: 1208

UniProt: [P04118](#)

Pathways: [Lipid Metabolism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.