

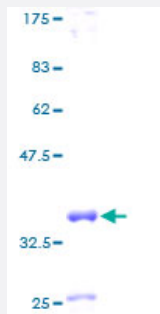
Full-Length

# CLPS (Human) Recombinant Protein (P01)

Catalog # H00001208-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human CLPS full-length ORF ( AAH07061, 1 a.a. - 112 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MEKILILLVALSVAYAAPGPRGIINLENGELCMNSAQCKSNCCQHSSALGLARCTSMASENSECSVKTYGYIKPCERGLTCEGDKTIVGSITNTNFGICHDAGRSKQ
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	38.06
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CLPS

Entrez GeneID	<a href="#">1208</a>
GeneBank Accession#	<a href="#">BC007061</a>
Protein Accession#	<a href="#">AAH07061</a>
Gene Name	CLPS
Gene Alias	-
Gene Description	colipase, pancreatic
Omim ID	<a href="#">120105</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000016271 colipase pancreatic colipase preproprotein

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)

- [Obesity](#)