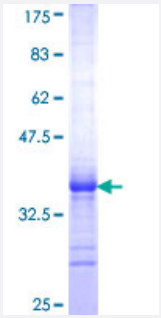
# CLPS (Human) Recombinant Protein (Q01)

Catalog # H00001208-Q01 Size 25 ug, 10 ug

## Applications




## Specification

| | |
|---|---|
| **Product Description** | Human CLPS partial ORF ( NP_001823, 23 a.a. - 112 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | GIIINLENGELCMNSAQCKSNCCQHSSALGLARCTSMASENSECSVKTLYGIYYKCPCERGLTCEGDKTIVGSITNTNFGICHDAGRSKQ |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 35.64 |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| **Note** | 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** | 1208 |
| **GeneBank Accession#** | NM_001832 |
| **Protein Accession#** | NP_001823 |
| **Gene Name** | CLPS |
| **Gene Alias** | - |
| **Gene Description** | colipase, pancreatic |
| **Omim ID** | 120105 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a cofactor needed by pancreatic lipase for efficient dietary lip id hydrolysis. It binds to the C-terminal, non-catalytic domain of lipase, thereby stabilizing an activ e conformation and considerably increasing the overall hydrophobic binding site. The gene produ ct allows lipase to anchor noncovalently to the surface of lipid micelles, counteracting the destabili zing influence of intestinal bile salts. This cofactor is only expressed in pancreatic acinar cells, sug gesting 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