

## **Product datasheet for AR51493PU-S**

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OriGene Technologies, Inc.

## Colipase (18-112, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Colipase (18-112, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSAPGPRGI IINLENGELC MNSAQCKSNC CQHSSALGLA

or AA Sequence: RCTSMASENS ECSVKTLYGI YYKCPCERGL TCEGDKTIVG SITNTNFGIC HDAGRSKQ

Tag: His-tag
Predicted MW: 12.5 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 1 mM DTT, 0.1M NaCl

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human CLPS protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 001239526

Locus ID: 1208

UniProt ID: <u>A0A087WZW1</u>

**Cytogenetics:** 6p21.31





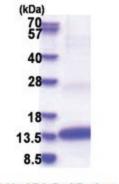
**Summary:** 

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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

**Protein Families:** 

Secreted Protein, Transmembrane

## **Product images:**



15% SDS-PAGE (3ug)