

**CLPS, 18-112aa, Human, His tag, E.coli**

**Cat.NO.: TP01650**

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3th Edition

**Synonyms:**Colipase isoform 1 preproprotein, Colipase

**Description:**CLPS, also known as 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. Recombinant human CLPS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 1mM DTT, 0.1M NaCl

**Molecular Weight:**12.5 kDa(118aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSA PGPRGIINLENGELCMNSAQCKSNCCQHSSALGLARCTSMASENSECSV  
KTLYGIYYKPCERGLTCEGDKTIVGSITNTNFGICH DAGRSKQ

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.