# NKMAXBIO We support you, we believe in your research

# **Recombinant human CLPS protein**

Catalog Number: ATGP2673

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

18-112aa

#### UniProt No.

P04118

#### **NCBI Accession No.**

NP 001823.1

#### **Alternative Names**

Colipase isoform 1 preproprotein, Colipase

# **PRODUCT SPECIFICATION**

#### **Molecular Weight**

12.5 kDa (118aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 1mM DTT, 0.1M NaCl

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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.



# NKMAXBio We support you, we believe in your research

# **Recombinant human CLPS protein**

Catalog Number: ATGP2673

# **Amino acid Sequence**

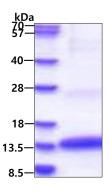
< MGSSHHHHHH SSGLVPRGSH MGS>APGPRGI IINLENGELC MNSAQCKSNC CQHSSALGLA RCTSMASENS ECSVKTLYGI YYKCPCERGL TCEGDKTIVG SITNTNFGIC HDAGRSKQ

#### **General References**

Lowe ME. et al. (1997) Annu. Rev. Nutr. 17:141-158. Crandall WV. et al. (2001) J. Biol. Chem. 276:12505-12512

# **DATA**

#### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

