

# Recombinant human LASP1 protein

Catalog Number: ATGP1386

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-261aa

### UniProt No.

Q14847

### NCBI Accession No.

NP\_006139

### Alternative Names

LIM and SH3 domain protein 1, Lasp-1, MLN50

## PRODUCT SPECIFICATION

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### Molecular Weight

32.3 kDa (285aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

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

### Purity

> 80% 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

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### Description

LASP1, also known as LIM and SH3 domain protein 1, plays an important role in the regulation of dynamic actin-based, cytoskeletal activities. Agonist-dependent changes in LASP1 phosphorylation may also serve to regulate actin-associated ion transport activities, not only in the parietal cell but also in certain other F-actin-rich secretory epithelial cell types. Recombinant human LASP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSHMNPNC RCGKIVYPTE KVNCLDKFWH KACFHCETCK MTLNMKNYKG  
YEKKPYCNAH YPKQSFTMVA DTPENLRLKQ QSELQSQVRY KEEFEKNKGK GFSVVADTPE LQRIKKTQDQ ISNIKYHEEF  
EKSRMGPSGG EGMEPERRDS QDGSSYRRPL EQQQPHIPT SAPVYQQPQQ QPVAQSYGGY KEPAAPVSIQ RSAPGGGGKR  
YRAVYDYSAA DEDEVSFQDG DTIVNVQQID DGWMYGTVER TGDTGMLPAN YVEAI

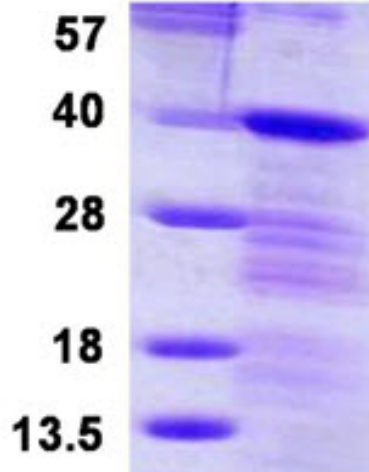
### General References

Tomasetto C., et al. (1995) FEBS Lett. 373:245-249  
Choudhary C., et al. (2002) Science. 325:834-840

## DATA

### SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)