

Recombinant human LASP1 protein

Catalog Number: ATGP1386

PRODUCT INFORMATION

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

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

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 MGSMMNPNC RCGKIVYPT 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

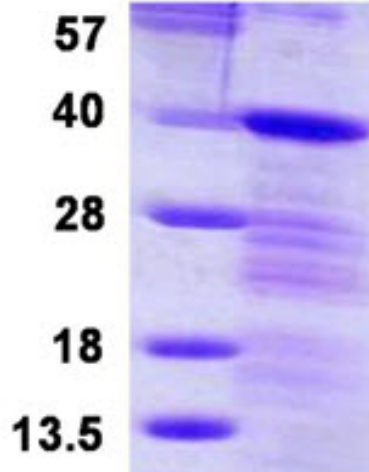
General References

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)