

**LASP1, 1-261aa, Human, His tag, E.coli**

**Cat.NO.: TP02781**

3th Edition

**Synonyms:**LIM and SH3 domain protein 1, Lasp-1, MLN50.

**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.

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

**Molecular Weight:**32.3 kDa (285aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMNPNCARCGKIVYPTEKVNCLDKFWHKACFHCETCKMTLNMKNYKGYEK  
KPYCNAHYPKQSFTMVADTPENLRLKQQSELQSQVRYKEEFEKNKGKGFVADTPPELQRIKKTQDQISNIKYHEE  
FEKSRMGPSGGEGMEPERRDSQDGSSYRRPLEQQPHIPTAPVYQQPQQPVAQSYGGYKEPAAPVSIQRS  
APGGGKRYRAVYDYSAADEVDFQDGTIVNVQQIDDGWMYGTVERTGDTGMLPANYVEAI

**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.