

Recombinant Human LIM And SH3 Protein 1, His-tagged

Cat. No. LASP1-1386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanLASP1 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Source	E.coli
Description	LASP1, also known asLIM and SH3 domain protein 1, plays an important role in the regulation ofdynamic actin-based, cytoskeletal activities. Agonist-dependent changes inLASP1 phosphorylation may also serve to regulate actin-associated ion transportactivities, not only in the parietal cell but also in certain otherF-actin-rich secretory epithelial cell types.
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT.
Molecular Weight	32.3 kDa(285aa), confirmed by MALDI-TOF.
Purity	> 80%by SDS - PAGE
Concentration	0.25mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSHMNPNC A RCGKIVYPTE KVNCLDKFWH KA CFHCETCK MTLNMKNYKGYEKKPYCNAH YPKQSFTMVA DTPENLRLKQ QSELQ SQVRY KEEFEKNKGK GFSVVADTPE LQRIKKTQDQISNIKYHEEF EKSRMGPSGG EGMEPERRDS QDGSSYRRPL EQQQPHHIPTSAPVYQQPQQ QPVAQSYGGY KE

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PAAPVSIQ RSAPGGGGKR YRAVYDYSAA DEDEVSFQDG DTIVNVQQIDDGWMY
GTVERTGDTGMLPANYVEAI

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [LASP1 LIM and SH3 protein 1 \[Homosapiens \]](#)

Official Symbol [LASP1](#)

Synonyms LASP1; LIM and SH3 protein 1; MLN50;LASP-1; Lasp-1; LIM and SH3 domain protein 1; MLN 50; OTTHUMP00000164238;OTTHUMP00000164239; metastatic lymph node gene 50 protein

Gene ID [3927](#)

mRNA Refseq [NM_006148](#)

Protein Refseq [NP_006139](#)

MIM [602920](#)

UniProt ID [Q14847](#)

Chromosome Location 17q11-q21.3

Function SH3/SH2 adaptor activity; actin filamentbinding; ion transmembrane transporter activity; metal ion binding; proteinbinding; zinc ion binding

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