

Recombinant Human LIMS1 protein, His & T7-tagged

Cat. No. LIMS1-1507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIMS1 aa. (Ala68~Cys303 (Accession # P48059)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala68~Cys303
Description	The protein encoded by this gene is an adaptor protein which contains five LIM domains, or double zinc fingers. The protein is likely involved in integrin signaling through its LIM domain-mediated interaction with integrin-linked kinase, found in focal adhesion plaques. It is also thought to act as a bridge linking integrin-linked kinase to NCK adaptor protein 2, which is involved in growth factor receptor kinase signaling pathways. Its localization to the periphery of spreading cells also suggests that this protein may play a role in integrin-mediated cell adhesion or spreading. Several transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.6

GENE INFORMATION

Gene Name	LIMS1 LIM zinc finger domain containing 1 [Homo sapiens (human)]
Official Symbol	LIMS1
Synonyms	LIMS1; LIM zinc finger domain containing 1; PINCH; PINCH1; PINCH-1; LIM and senescent cell antigen-like-containing domain protein 1; LIM and senescent cell antigen-like domains 1; LIM-type zinc finger domains 1; particularly interesting new Cys-His protein 1; renal carcinoma antigen NY-REN-48; senescent cell antigen
Gene ID	3987
mRNA Refseq	NM_001193482.1

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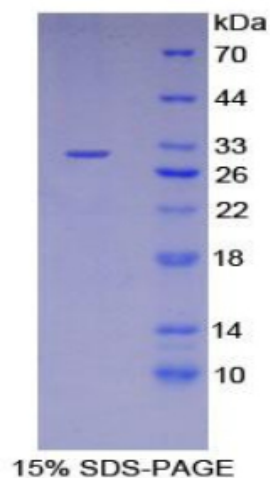
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Protein Refseq NP_001180411.1

UniProt ID P48059

SDS-PAGE



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