

Recombinant Human LIMS1

Cat. No. LIMS1-29952TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human LIMS1 with a N terminal proprietary tag; Predicted MWt 61.82 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	325 amino acids
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.
Molecular Weight	61.820kDa inclusive of tags
Tissue specificity	Expressed in most tissues except in the brain.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MANALASATCERCKGGFAPA EKIVNSNGELYHEQCFVCAQ CFQQFPEGLFYEFEG RKYCEHDFQMLFAPCCHQCGEFIIG RVIKAMNNSWHPECFRCDLCQEV LADIGFVK NAGRHL CRP CHNREKARGLGKYICQKCHAIIDEQPLIFKNDPYHPDHFN CANCGKE LTADARELKGELYCLPCHDKMGVPICGACRRPI EGRV V NAMGKQWHVEHFVCAKC EKPFLGHRHYERKGLAYC ETHYNQLFGDVCFHCNRVIEGDVVSALNKAWCVNCFA CST CNTKLT LKNKFVEFDMKPVCKKCYEKFPLELKKRLKLA E TLGRK
Sequence Similarities	Contains 5 LIM zinc-binding domains.

GENE INFORMATION

Gene Name	LIMS1 LIM and senescent cell antigen-like domains 1 [Homo sapiens]
Official Symbol	LIMS1
Synonyms	LIMS1; LIM and senescent cell antigen-like domains 1; LIM and senescent cell antigen-like-containing domain protein 1; PINCH; PINCH1;
Gene ID	3987
mRNA Refseq	NM_001193482
Protein Refseq	NP_001180411
MIM	602567

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Uniprot ID	P48059
Chromosome Location	2q12.3
Pathway	Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-extracellular matrix interactions, organism-specific biosystem; Regulation of cytoskeletal remodeling and cell spreading by IPP complex components, organism-specific biosystem;
Function	metal ion binding; protein binding; zinc ion binding;

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