# Recombinant Human LIM and senescent cell antigen-like-containing domain protein 1 (LIMS1)

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| **Product Code** | CSB-MP012955HU |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | P48059 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | ≥85% (SDS-PAGE) |
| **Sequence** | ANALASATC ERCKGGFAPA EKIVNSNGEL YHEQCFVCAQ CFQQFPEGLF YEFEGRKYCE HDFQMLFAPC CHQCGEFIIG RVIKAMNNSW HPECFRCDLC QEVLADIGFV KNAGRHLCRP CHNREKARGL GKYICQKCHA IIDEQPLIFK NDPYHPDHFN CANCGKELTA DARELKGELY CLPCHDKMGV PICGACRRPI EGRVVNAMGK QWHVEHFVCA KCEKPFLGHR HYERKGLAYC ETHYNQLFGD VCFHCNRVIE GDVVSALNKA WCVNCFACST CNTKLTLKNK FVEFDMKPVC KKCYEKFPLE LKKRLKKLAE TLGRK |
| **Source** | Mammalian cell |
| **Target Names** | LIMS1 |
| **Protein Names** | Recommended name: LIM and senescent cell antigen-like-containing domain protein 1 Alternative name(s): Particularly interesting new Cys-His protein 1 Short name= PINCH-1 Renal carcinoma antigen NY-REN-48 |
| **Expression Region** | 2-325 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full Length of Mature Protein |
| **Target Details** | This protein 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. |
| **Reconstitution** | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| **Shelf Life** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. |

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.