



# Recombinant Human Actin-binding LIM protein 1 (ABLIM1)

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| <b>Product Code</b>      | CSB-EP001107HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O14639   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MPAFLGLKCL GKLCSSSEKSK VTSSERTSAR GSNRKRLIVE DRRVSGTSFT<br>AHRRATITHL LYLCPKDYCP RGRVCNSVDP FVAHPQDPHH PSEKPIVHCH<br>KCGEPCKGEV LRVQTKHFHI KCFTCKVCGC DLAQGGFFIK NGEYLCTLDY<br>QRMYGTRCHG CGEFVEGEVV TALGKTYHPN CFACTICKRP FPPGDRVTFN<br>GRDCLCQLCA QPMSSSPKET TFSSNCAGCG RDIKNGQALL ALDKQWHLGC<br>FKCKSCGKVL TGEYISKDGA PYCEKDYQGL FGVKCEACHQ FITGKVLEAG<br>DKHYHPSCAR CSRCNQMFE GEEMYLQGST VWHPDCKQST<br>KTEEKLRPTR TSESIYSRP GSSIPGSPGH TIYAKVDNEI LDYKDLAIP<br>KVKAIDIER PDLITYEPFY TSGYDDKQER QSLGESPRTL SPTPSAEGYQ<br>DVRDRMIHRS TSQGSINSPV YSRHSYPTT SRSPQHFHRP GNEPSSGRNS<br>PLPYRPDSRP LTPTYAQAPK HFHVPDQGIN IYRKPPIYKQ HAALAAQSKS<br>SEDIIKFSKF PAAQAPDPSE TPKIETHWP GPPSFAVVG PDMKRRSSGRE<br>EDDEELLRRR QLQEEQLMKL NSGLGQLILK EEMEKESSRER SLLASRYDS<br>PINSASHIPS SKTASLPGYG RNGLHRPVST DFAQYNSYGD VSGGVRDYQT<br>LPDGHMPAMR MDRGVSMPNM LEPKIFPYEM LMVTNRGRNK ILREVDTRL<br>ERHLAPEVFR EIFGMSIQEF DRLPLWRRND MKKKAKLF |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | ABLIM1   |
| <b>Protein Names</b>     | Recommended name: Actin-binding LIM protein 1 Short name= abLIM-1<br>Alternative name(s): Actin-binding LIM protein family member 1 Actin-binding<br>double zinc finger protein LIMAB1 Limatin   |
| <b>Expression Region</b> | 1-778  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full length protein  |
| <b>Target Details</b>    | This gene encodes a cytoskeletal LIM protein that binds to actin filaments via a domain that is homologous to erythrocyte dematin. LIM domains, found in over 60 proteins, play key roles in the regulation of developmental pathways. LIM domains also function as protein-binding interfaces, mediating specific protein-protein interactions. This protein could mediate such interactions between actin filaments and cytoplasmic targets. Alternatively spliced transcript variants   |



encoding different isoforms have been identified.

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**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.

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**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.