# Recombinant Human TLN1 Protein, His-tagged

**Cat. No.** TLN1-354H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human TLN1(Thr2293~Glu2536) fused with His tag at N-terminal was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Thr2293~Glu2536 |
| **Description** | This gene encodes a cytoskeletal protein that is concentrated in areas of cell-substratum and cell-cell contacts. The encoded protein plays a significant role in the assembly of actin filaments and in spreading and migration of various cell types, including fibroblasts and osteoclasts. It codistributes with integrins in the cell surface membrane in order to assist in the attachment of adherent cells to extracellular matrices and of lymphocytes to other cells. The N-terminus of this protein contains elements for localization to cell-extracellular matrix junctions. The C-terminus contains binding sites for proteins such as beta-1-integrin, actin, and vinculin. |
| **Form** | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **Molecular Mass** | 29.7kDa |
| **Identity** | Reconstitute in PBS or others |
| **Endotoxin** | <1.0EU per 1μg (determined by the LAL method) |

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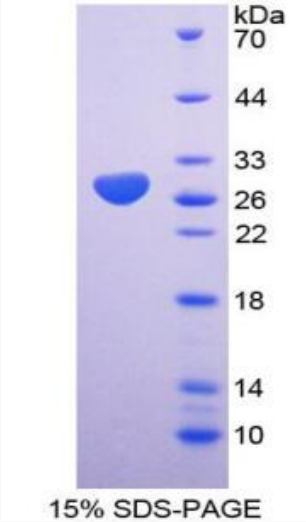
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| **Purity** | > 95% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Reconstitution** | Reconstitute in PBS or others |

## GENE INFORMATION

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| **Gene Name** | TLN1 talin 1 [ Homo sapiens ] |
| **Official Symbol** | TLN1 |
| **Synonyms** | TLN1; talin 1; TLN; talin-1; ILWEQ; KIAA1027; |
| **Gene ID** | 7094 |
| **mRNA Refseq** | NM_006289 |
| **Protein Refseq** | NP_006280 |
| **MIM** | 186745 |

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| **UniProt ID** | Q9Y490 |



15% SDS-PAGE

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