




# Recombinant Human Talin-1 (TLN1), partial

<b>Product Code</b>	CSB-EP897551HU
<b>Abbreviation</b>	Recombinant Human TLN1 protein, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9Y490
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Product Type</b>	Recombinant Human Talin-1 (TLN1), partial
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sensitivity</b>	Not Test
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MLDGTIVKTIMVDDSKTVTDMLMTICARIGITNHDEYSLVRELMEEEKKEEITGTLR KDKTLLRDEKKMEKLKQLHTDDELNWLHDHGRTRLREQGVEEHETLLLRKFFY SDQNVDSRDPVQLNLLYVQARDDILNGSHPVSFDKACEFAGFQCQIQFGPHN EQKHKAGFLDLKDFLPKEYVKQKGERKIFQAHKNCQMSEIEAKVRYVKLARS LKTYGVSFLLVKEKMKGKNKLVPRLLGITKECVMRVDEKTKEVIQEWNLNLIK WAASPKSFTLDFGDYQDGYYSVQTTEGEQIAQLIAGYIDII
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	TLN1
<b>Expression Region</b>	92-399aa
<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>	N-terminal GST-tagged
<b>Mol. Weight</b>	62.8 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	 <p>(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.</p>

## Description

The region for expressing recombinant Human TLN1 contains amino acids 92-399. The theoretical molecular weight of the TLN1 protein is 62.8 kDa. This



protein is generated in a e.coli-based system. The N-terminal GST tag was fused into the coding gene segment of TLN1, making it easier to detect and purify the TLN1 recombinant protein in the later stages of expression and purification.

The human talin-1 (TLN1) is a cytoskeletal protein that plays a crucial role in cell adhesion by connecting integrin receptors to the actin cytoskeleton. TLN1 is essential for the formation and stabilization of focal adhesions, dynamic structures that mediate cell-extracellular matrix interactions. Through its interactions with integrins, TLN1 contributes to processes such as cell migration, spreading, and signaling. Additionally, TLN1 is involved in mechanotransduction, transmitting mechanical forces across the cell membrane. Dysregulation of TLN1 has been linked to various diseases, including cancer and cardiovascular disorders. Research on TLN1 explores its functions in cell adhesion, and signaling, and its implications in health and disease.

**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**

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