

## Recombinant Human TLN1, His-tagged

Cat. No. TLN1-31442TH Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant fragment, corresponding to amino acids 2072-2532 of Human Talin 1 with N terminal His tag. MWt: 53kDa.

**Species** Human

**Source** E.coli

**ProteinLength** 2072-2532 a.a.

**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.

**Conjugation** HIS

**Form** Lyophilised:Reconstitute with 82 µl aqua dest.

**Storage buffer** Preservative: None  
Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	EDPETQVVLINAVKDVAKALGDLISATKAAAGKVGDDPAV WQLKNSAKVMVTNVTSLKTVKAVEDEATKGTRALEAT TEHIRQELAVFCSPEPPAKTSTPEDFIRMTKGITMA TA KAVAAGNSCRQEDVIATANLSRRAIADMLRACKEAAYHPE VAPDVRLRALHYGR ECANGYLELLLDHVLLTLQKPSPPEL KQQLTGHSKRKRVAGSVTELIQAAEAMKGTWVD PEDPTV IAENELLGAAAAIEAAKLEQLKPRAKPKEADESLNFEE QILEAAKSIAAA TSALVKAASAAQRELVAQGKVGAI PA NALDDGQWSQGLISAARMVAAATNNLCEAA NAAVQGHASQEKLISAKQVAASTAQLLVACKVKADQDSEAMKRLQAA GNAVKRA SDNLVKAQAQAAAFEEQENETVVVKEKMGVGG IAQIIAAQEEMLRKERELEEARKKLA QIRQQQYKF( Amino acid sequence (Sequence determined by 5 Sequencing))
<b>Sequence Similarities</b>	Contains 1 FERM domain.Contains 1 ILWEQ domain.

## GENE INFORMATION

<b>Gene Name</b>	TLN1 talin 1 [ Homo sapiens ]
<b>Official Symbol</b>	TLN1
<b>Synonyms</b>	TLN1; talin 1; TLN; talin-1; ILWEQ;
<b>Gene ID</b>	7094
<b>mRNA Refseq</b>	NM_006289
<b>Protein Refseq</b>	NP_006280
<b>MIM</b>	186745

<b>Uniprot ID</b>	Q9Y490
<b>Chromosome Location</b>	9p23-p21
<b>Pathway</b>	Activation of Chaperones by IRE1alpha, organism-specific biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; EGF receptor (ErbB1) signaling pathway, organism-specific biosystem;
<b>Function</b>	LIM domain binding; actin binding; binding; insulin receptor binding; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA