

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: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EDPETQVVLINAVKDVAKALGDLISATKAAAGKVGDDPAV WQLKNSAKVMVTNVT LLKTVKAVEDEATKGTRALEAT TEHIRQELAVFCSPEPPAKTSTPEDFIRMTKGITMA TA KAVAAGNSCRQEDVIATANLSRRAIADMLRACKEAAYHPE VAPDVRLRALHYGR ECANGYLELLLDHVLLTLQKPSPPEL KQQLTGHSKRVSAGSVTELIQAAEAMKGTWVD PEDPTV IAENELLGAAAAIEAAAKKLEQLKPRAPKPEADESLNFEE QILEAAKSIAAA TSALVKAASAAQRELVAQGKVGAI PA NALDDGQWSQGLISAARMVAAATNNLCEAA NAAVQGHASQEKLSSAKQVAASTAQLLVACKVKADQDSEAMKRLQAA GNAVKRA SDNLVKAQAQKAAAFEEQENETVVVKEKMGVGG IAQIIAAQEEMLRKERELEEARKKLA QIRQQQYKF(Amino acid sequence (Sequence determined by 5 Sequencing))
Sequence Similarities	Contains 1 FERM domain.Contains 1 ILWEQ domain.

GENE INFORMATION

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

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Uniprot ID	Q9Y490
Chromosome Location	9p23-p21
Pathway	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;
Function	LIM domain binding; actin binding; binding; insulin receptor binding; protein binding;

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