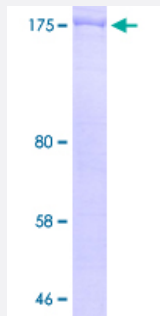


TLN1 (Human) Recombinant Protein (Q06)

Catalog # H00007094-Q06

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TLN1 partial ORF (AAH42923.1, 86 a.a. - 1430 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

RPLKIRMLDGTVKTIMVDDSKTVTDM LMTICARIGITNHDEYSLVRELMEEKKEEITGTLRKDKTLLR
DEKKMEKLKQKLHTDDELNWLDHGRTLREQGV EEHETLLLRKFFYSDQNVDSDRPVQLNLLYV
QARDDILNGSHPVSFDKACEFAGFQCQIQFGPHNEQKHKAGFLDLKDFLPKEYVKQKGERKIFQ
AHKNCGQMSEIEAKVRYVKLARSLKTYGVSFFLVKEKMKGKNKLVPRLLGITKECVMRVDEKTK
VIQEWNLNLIKRWAA SPKSFTLDFGDYQDGYYSVQTTEGEQIAQLIAGYDILKKKSKDHFGL
EESTMLEDSVSPKKSTVLQQQYNRVGKVEHGSVALPAIMRSGASGPENFQVGSMPPAQQQITS
GQMRHGHMPPLTSAQQALTGTINSSMQAVQAAQATLDDFDLPLPGQDAASKAWRKNKMDESK
HEIHSQVDAITAGTASVVNLTAGDPAETDYTAVGCAVTTISSNLTEMSRGVKLLAALLEDEGGSGR
PLLQAAKGLAGAVSELLRSAQPASAEPRQNLLQAAGNVGQASGELLQQIGESDTPHFQDALM
QLAKAVASAAAALVLKAKSVAQRTEDSGLQTQVIAAATQCALSTSQLVACTKV VAPTISPVCQE
QLVEAGRLVAKAVEGCVSASQAATEDGQLLRGVGAAATAVTQALNELLQHVKAHATGAGPAGR
YDQATDILTITENIFSSMGDAGEMVRQARILAQATSDLVNAIKADAEGESDLENSRKLLSAAKILA
DATAKMVEAAKGAAHPDSEEQQRLREAAEGLRMA TNAQAQNAIKKKLVQRLEHAAKQAAAS
ATQTIAAAQHAAS TPKASAGPQPLLVSCKAVAEQIPLLVSQVGRGSQAQPDSPSAQLALIAASQS
FLQPGGKMVAAAKASVPTIQDQASAMQLSQCAKNLGTALAE LRTAAQKAQEACGPLEMDSALS
VVQNLEKDLQEVKAAARDGKLKPLPGETMEKCTQDLGNSTKAVSSAIAQLLGEVAQGNENYAGI
AARDVAGGLRSLAQAARGVAALTSDPAVQAVLDTASDVLDKASSLIEEAKKAAGHPGDPESQQ
RLAQVAKAVTQALNRCVSCLPGQRVDNALRAVGDASKRLLSDSLPPSTGTGFQEAQSRLNEAA
AGLNQAATELVQASRGTPQDLARASGRFGQDFSTFLEAGVEMAGQAPSQEDRAQVVSNLKGIS
MSSSKLLLAALKALSTDPAAPNLKSQLAAAAARAVTDSINQLITMCTQQAPGQKECDNALRELETVR
ELLENPVQPINDMSYFGCLDSVMENSKVLGEAMTGISQNAKNGNLPEFGDAISTAS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)	173.58
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TLN1

Entrez GeneID	7094
GeneBank Accession#	BC042923.1
Protein Accession#	AAH42923.1
Gene Name	TLN1
Gene Alias	ILWEQ, KIAA1027, TLN
Gene Description	talin 1
Omim ID	186745
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

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Publication Reference

- [Improved detection of prostate cancer using a magneto-nanosensor assay for serum circulating autoantibodies.](#)

Xu L, Lee JR, Hao S, Ling XB, Brooks JD, Wang SX, Gambhir SS.

PLoS One 2019 Aug; 14(8):e0221051.

Application: Func, Human, As a standard, Human serum

Pathway

- [Focal adhesion](#)