

## Talin-1 Protein, Human, Recombinant (GST)

### General Information

Synonyms: Talin-1;TLN;TLN1;KIAA1027

Protein Construction: 92-399 aa

Species: Human

Expression Host: E. coli

Accession: Q9Y490

Molecular Weight: 62.8?kDa (predicted)

MLDGTVKTIMVDDSKTVTDMMLTICARIGITNHDEYSLVRELMEEKKEEITGTLRKDKTLLRDEKKMEKQKL  
HTDDELNLWLDHGRTLREQGVEEHETLLRRKFFYSDQNVDSRPVQLNLLYVQARDDILNGSHPVSFDKACE  
AA Sequence: FAGFQCQIQFGPHNEQKHKAGFLDLKDFLPKEYVKQKGERKIFQAHKNCGQMSEIEAKVRYVKLARSLKTYG  
VSFFLVKEKMKGKNKLVPRLLGITKECVMRVDEKTKVEIQEWNLNRIKRWAAASPKSFTLDFGDYQDGYYSVQT  
TEGEQIAQLIAGYIDII

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Probably involved in connections of major cytoskeletal structures to the plasma membrane. High molecular weight cytoskeletal protein concentrated at regions of cell-substratum contact and, in lymphocytes, at cell-cell contacts.

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