# Human Tenascin Protein

**Cat. No.** TNC-HM101

## Description

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|---|---|
| **Source** | Recombinant Human Tenascin Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Gly23-Ser621. |
| **Accession** | P24821-1 |
| **Molecular Weight** | The protein has a predicted MW of 65.27 kDa. Due to glycosylation, the protein migrates to 66-70 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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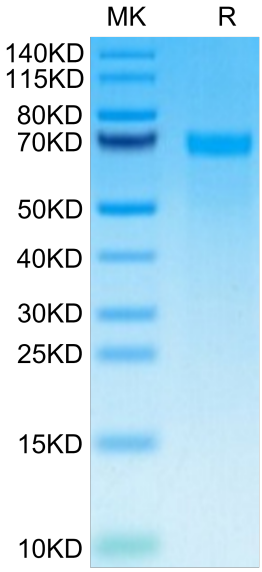
|---|---|
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Tenascin-C (TNC) is a hexameric, multimodular extracellular matrix protein with several molecular forms that are created through alternative splicing and protein modifications. It is highly conserved amongst vertebrates, and molecular phylogeny indicates that it evolved before fibronectin. Tenascin-C has many extracellular binding partners, including matrix components, soluble factors and pathogens; it also influences cell phenotype directly through interactions with cell surface receptors.

## Assay Data




Human Tenascin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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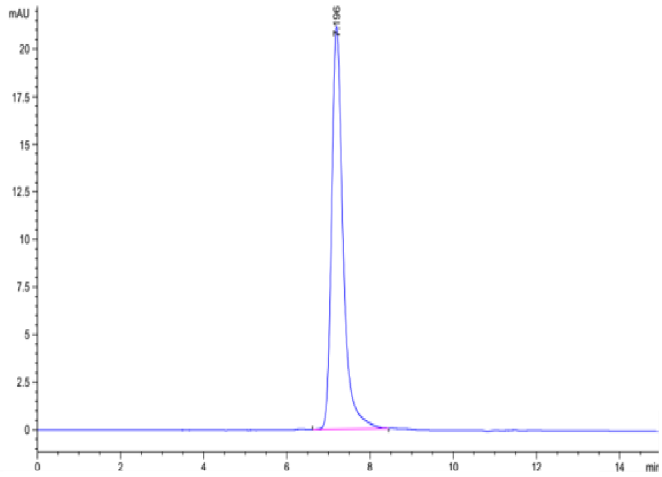


The purity of Human Tenascin is greater than 95% as determined by SEC-HPLC.