

Datasheet for ABIN7275753

TNC Protein (AA 23-621) (His tag)[Go to Product page](#)**2** Images

Overview

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|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | TNC |
| Protein Characteristics: | AA 23-621 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TNC protein is labelled with His tag. |

Product Details

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|------------------|---|
| Purpose: | Human Tenascin Protein |
| Sequence: | Gly23-Ser621 |
| Characteristics: | Recombinant Human Tenascin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly23-Ser621. |
| Purity: | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

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|-------------------|---|
| Target: | TNC |
| Alternative Name: | Tenascin (TNC Products) |

Target Details

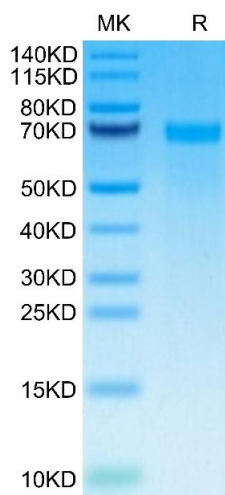
| | |
|-------------------|---|
| Background: | Tenascin-C (TNC) is a hexameric, multimodular extracellular matrix protein with several molecular forms that are created through alternative splicing and protein modifications. It is highly conserved amongst vertebrates, and molecular phylogeny indicates 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. |
| Molecular Weight: | 65.27 kDa. Due to glycosylation, the protein migrates to 66-70 kDa based on Tris-Bis PAGE result. |
| Pathways: | Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Skeletal Muscle Fiber Development |

Application Details

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| Restrictions: | For Research Use only |
|---------------|-----------------------|

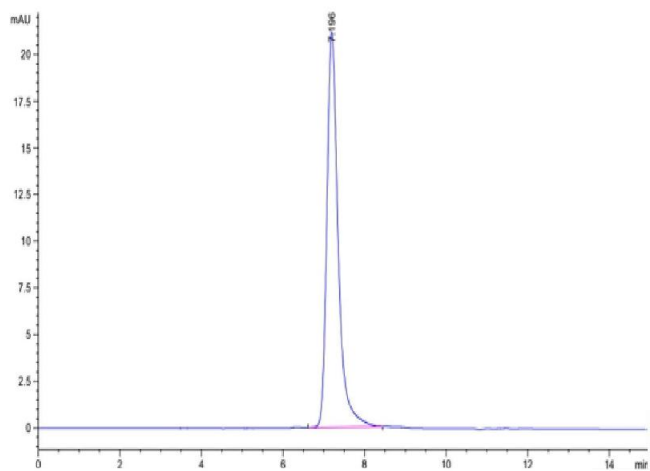
Handling

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|------------------|--|
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



SDS-PAGE

Image 1. Human Tenascin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human Tenascin is greater than 95 % as determined by SEC-HPLC.