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Recombinant Human Tenascin C Protein

Catalog No.: RP02798 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3371	P24821

Tags
C-His

Synonyms
TN; Hexabrachion; Tenascin-C; TN-C; TNC; Hxb

Product Information

Source
HEK293 cells

Purification
> 95% as determined by HPLC

Endotoxin
<1EU/μg

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

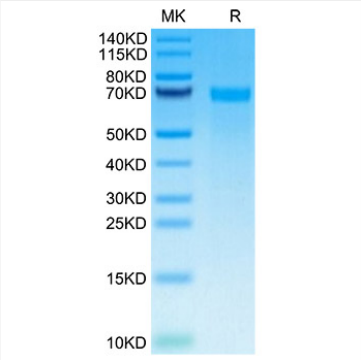
Basic Information

Description
Recombinant Human Tenascin Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly23-Ser621) of human Tenascin (Accession #NP_002151.2) fused with a 6×His tag at the C-terminus.

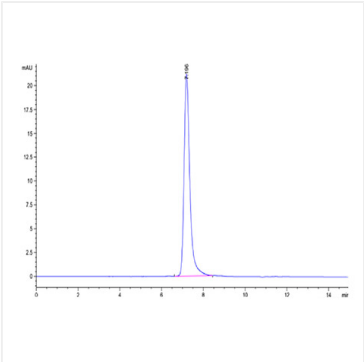
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80°C for 12 months.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Tenascin Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 66-70 kDa.



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