



# Certificate of Analysis

## TNC Protein, Human (His)

Cat. No.:	HY-P71691
Batch No.:	310476
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P24821 (D1888-A2201)
Gene ID:	3371
Molecular Weight:	Approximately 36-39.5 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by the ability of the immobilized protein to block Fibronectin-mediated adhesion of NIH-3T3 mouse embryonic fibroblast cells. rhTenascin-C immobilized at 15 μg/mL, in the presence of 0.1 μg/mL human Fibronectin, will block approximately 54.61% NIH3/T3 cell adhesion (5x10 <sup>4</sup> cells/well, 100 μL/well)	PASS
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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