

## Recombinant Human TNC Partial Protein, His-tagged

Cat. No. TNC-32H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNC Partial Protein (1888-2201 aa) with a N-terminal 6xHis tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1888-2201
<b>Description</b>	This gene encodes an extracellular matrix protein with a spatially and temporally restricted tissue distribution. This protein is homohexameric with disulfide-linked subunits, and contains multiple EGF-like and fibronectin type-III domains. It is implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity, and neuronal regeneration.
<b>Form</b>	Liquid or Lyophilized powder
<b>Molecular Mass</b>	39.5 kDa
<b>AA Sequence</b>	DSPRDLTATEVQSETALLTWRPPRASVTGYLLVYESVDGTVKEVIVGPDTTSSYSLAD LSPSTHYTAKIQALNGPLRSNMIQTIFTTIGLLYFPKDCSQAMLNGDTTSGLYTIYLN GDKAEALEVFCDMTSDGGGWIVFLRRKNGRENFYQNWKAYAAGFGDRREEFWLG LDNLNKITAQQQYELRVDLRDHGETAFAVYDKFVSGDAKTRYKLVKVEGYSGTAGDS MAYHNGRSFSTFDKDTDSAITNCALSFKYGFVYRNCHRVNLMGRYGDNNHSQGV NWFHWKGGHEHSIQFAEMKLRPSNFRNLEGRRKRA

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<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Stability</b>	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20/-80 centigrade. The shelf life of lyophilized form is 12 months at -20/-80 centigrade.</p>
<b>Storage</b>	Store at -20 centigrade/-80 centigrade upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	<p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5 %-50 % glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6 % Trehalose, pH 8.0.</p>
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50 % of glycerol (final concentration) and aliquot for long-term storage at -20/-80 centigrade. Our default final concentration of glycerol is 50 %. Customers could use it as reference.

## GENE INFORMATION

<b>Gene Name</b>	TNC tenascin C [ Homo sapiens (human) ]
<b>Official Symbol</b>	TNC
<b>Synonyms</b>	TNC; tenascin C; GP; JI; TN; HXB; GMEM; TN-C; DFNA56; 150-225; tenascin; GP 150-225; cytotactin; deafness, autosomal dominant 56; glioma-associated-extracellular matrix antigen; hexabrachion (tenascin); myotendinous antigen; neuronectin; tenascin-C additional domain 1

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