

Recombinant Human TNC Partial Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TNC Partial Protein (1888-2201 aa) with a N-terminal 6xHis tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1888-2201
Description	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.
Form	Liquid or Lyophilized powder
Molecular Mass	39.5 kDa
AA Sequence	DSPRDLTATEVQSETALLTWRPPRASVTGYLLVYESVDGTVKEVIVGPDTTSSYSLAD LSPSTHYTAKIQALNGPLRSNMIQTIFTTIGLLYPFPKDCSQAMLNGDTTSGLYTIYLN GDKAEALEVFCDMTSDGGGWIVFLRRKNGRENFYQNWKAYAAGFGDRREEFWLG LDNLNKITAQQGQYELRVDLRDHGETAFAYDKFSVGDAKTRYKLKVEGYSGTAGDS MAYHNGRSFSTFDKDTDSAITNCALS YKGAFWYRNCHRVNLMGRYGDNNHSQGV NWFHWKGHEHSIQFAEMKLRPSNFRNLEGRRKRA

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Purity	> 90 % as determined by SDS-PAGE.
Stability	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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.
Storage	Store at -20 centigrade/-80 centigrade upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5 %-50 % glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6 % Trehalose, pH 8.0.
Reconstitution	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

Gene Name	TNC tenascin C [Homo sapiens (human)]
Official Symbol	TNC
Synonyms	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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Gene ID 3371

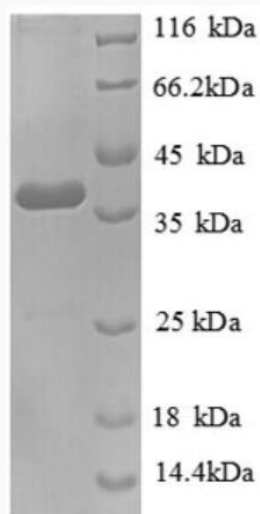
mRNA Refseq NM_002160

Protein Refseq NP_002151

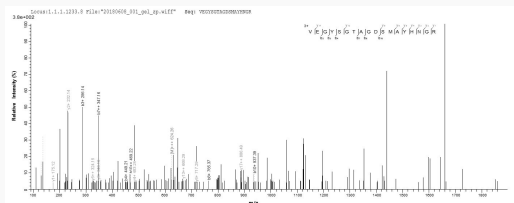
MIM 187380

UniProt ID P24821

SDS-PAGE



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5 % enrichment gel and 15 % separation gel.

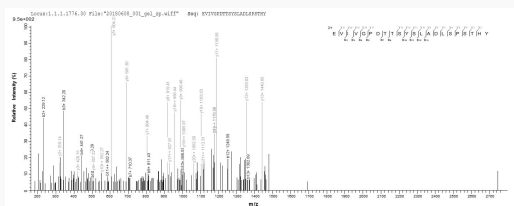


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Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-RP115094h(C) could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) TNC.



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