Recombinant Full Length Human TNC Protein, C-Flag-tagged

Cat. No. TNC-995HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TNC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	238.6 kDa
AA Sequence	MGAMTQLLAGVFLAFLALATEGGVLKKVIRHKRQSGVNATLPEENQPVVFNHVYNIK LPVGSQCSVDLES ASGEKDLAPPSEPSESFQEHTVDGENQIVFTHRINIPRRACGC AAAPDVKELLSRLEELENLVSSLREQC TAGAGCCLQPATGRLDTRPFCSGRGNFST EGCGCVCEPGWKGPNCSEPECPGNCHLRGRCIDGQCICDDG FTGEDCSQLACPS DCNDQGKCVNGVCICFEGYAGADCSREICPVPCSEEHGTCVDGLCVCHDGFAGDD CN KPLCLNNCYNRGRCVENECVCDEGFTGEDCSELICPNDCFDRGRCINGTCYCE EGFTGEDCGKPTCPHAC HTQGRCEEGQCVCDEGFAGVDCSEKRCPADCHNRGR CVDGRCECDDGFTGADCGELKCPNGCSGHGRCVN GQCVCDEGYTGEDCSQLRC

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PNDCHSRGRCVEGKCVCEQGFKGYDCSDMSCPNDCHQHGRCVNGMCVCDDG Y
TGEDCRDRQCPRDCSNRGLCVDGQCVCEDGFTGPDCAELSCPNDCHGRGRCVN
GQCVCHEGFMGKDCKE QRCPSDCHGQGRCVDGQCICHEGFTGLDCGQHSCPSD
CNNLGQCVSGRCICNEGYSGEDCSEVSPPKDLV VTEVTEETVNLAWDNEMRVTEY
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Q TGLAPGQEYEISLHIVKNNTRGPGLKRVTTTRLDAPSQIEVKDVTDTTALITWFKPL
AEIDGIELTYGIK DVPGDRTTIDLTEDENQYSIGNLKPDTEYEVSLISRRGDMSSNPA
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SLTLLWKTPLAKFDRYRLNYSLPTGQWVGVQLPRNTTSYVLRGLEPGQEYN VLLTA
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PLAVEVVTEDLPQLGDLAVSEVGWDGLRLNWTAADNAYEHFVIQVQEVNKVEAAQN
LTLPGSLR AVDIPGLEAATPYRVSIYGVIRGYRTPVLSAEASTAKEPEIGNLNVSDITP
ESFNLSWMATDGIFETFTI EIIDSNRLLETVEYNISGAERTAHISGLPPSTDFIVYLSGL
APSIRTKTISATATTEALPLLENLTISDI NPYGFTVSWMASENAFDSFLVTVVDSGKLL
DPQEFTLSGTQRKLELRGLITGIGYEVMVSGFTQGHQTKP LRAEIVTEAEPEVDNLL
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EYEIELYGISKGRRSQTVSAIATTAMGSPKEVIFSDITENSATVSWRAPTAQVESFRIT
YVPITGG TPSMVTVDGTKTQTRLVKLIPGVEYLVSIIAMKGFEESEPVSGSFTTALDG
PSGLVTANITDSEALARWQ PAIATVDSYVISYTGEKVPEITRTVSGNTVEYALTDLEP
ATEYTLRIFAEKGPQKSSTITAKFTTDLDSP RDLTATEVQSETALLTWRPPRASVTGY
LLVYESVDGTVKEVIVGPDTTSYSLADLSPSTHYTAKIQALNG PLRSNMIQTIFTTIGL
LYPFPKDCSQAMLNGDTTSGLYTIYLNGDKAQALEVFCDMTSDGGGWIVFLRRK N
GRENFYQNWKAYAAGFGDRREEFWLGLDNLNKITAQGQYELRVDLRDHGETAFAV
YDKFSVGDAKTRYK LKVEGYSGTAGDSMAYHNGRSFSTFDKDTDSAITNCALSYK

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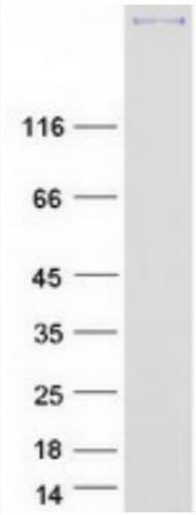
	GAFWYRNCHRVNLMGRYGDNNHSQGVNWF HWKGHEHSIQFAEMKLRPSNFRNLEGRRKRATRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways	ECM-receptor interaction, Focal adhesion
Full Length	Full L.

GENE INFORMATION

Gene Name	TNC tenascin C [Homo sapiens (human)]
Official Symbol	TNC
Synonyms	GP; JI; TN; HXB; GMEM; TN-C; DFNA56; 150-225
Gene ID	3371

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mRNA Refseq	NM_002160.4
Protein Refseq	NP_002151.2
MIM	187380
UniProt ID	P24821



Coomassie blue staining of purified TNC protein.

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