

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 ASGEKDLAPPSEPSSEFQEHTVDGENQIVFTHRINIPRRACGC AAAPDVKELLSRLEELNVLSSLREQC TAGAGCCLQPATGRDTRPFCSGRGNFST EGCVCVCEPGWKGPNCSEPECPGNCHLRGRCIDGQCICDDG FTGEDCSQLACPS DCNDQGKCVNGVCICFEGYAGADCSREICPVPCSEEHGTCVDGLCVCHDGFAGDD CN KPLCLNNCYNRGRVCVENECVDEGFTGEDCSELICPNDCFDRGRINGTCYCE EGFTGEDCGKPTCPHAC HTQGRCEEQGVCVDEGFAGVDCSEKRCPADCHNRGR CVDGRCECDDGFTGADCGELKCPNGCSGHGRVCN GQVCVDEGYTGEDCSQLRC

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PNDCHSRGRCVEGKCVCEQGFKGYDCSDMSCPNDC HQHGRCVNGMCVCDDG Y
TGEDCRDRQCPRDCSNRGLCVDGQCVCEGFTGPDCAELSCPNDCHGRGRCVN
GQCVCHEGFMGKDCKE QRCPSDCHGQGRCVDGQCICHEGFTGLDCGQHSCPSD
CNNLGQCVSGRCICNEGYSGEDCSEVSPPKDLV VTEVTEETVNLAWDNEMRVTEY
LVVYTPTHEGGLEMQFRVPGDQTSTIIRELEPGVEYFIRVFAILENKK SIPVSARVATY
LPAPEGLKFKSIKETSVEVEWDPLDIAFETWEIIFRNMNKEDEGEITKSLRRPETS YR
Q TGLAPGQEYEISLHIVKNNTTRGPGLKRVTTTRLDAPSQIEVKDVTDTTALITWFKPL
AEIDGIELTYGIK DVPGDRTTIDLTE DENQYSIGNLKP DTEYEVSLISRRGDMSSNPA
KETFTTGLDAPRNLRRVSQTDNSIT LEWRNGKAAIDSYRIKYAPISGGDHAEVDVPK
SQQATTKTTLTGLRPGTEYGIGVSAVKEDKESNPATIN AATELDTPKDLQVSETAET
SLTLLWKTPLAKFDYRLNYSLPTGQWVG VQLPRNTTSYVLRGLEPGQEYN VLLTA
EKGRHKS KPARVKASTEQAPELENLTVTEVGWDGLRLN WTAADQAYEHFIIQVQEA
NKVEAARNL TVPGSLRAVDIPGLKAATPYTVSIYGV IQGYRTPVLSAEASTGETPNL
GEVVVAE VGDALKLNWTAPEG AYEYFFIQVQEADTVEAAQNLTVP GGLRSTDLP
GLKAATHYTITIRGVTQDFSTTPLSVEVLTEEVPDMG NLTVTEVSWDALRLNWTTDP
GT YDQFTIQVQEADQVEEAHNLTVPGSLRSMEIPGLRAGTPYTVTLHGEV RGHSTR
PLAVEVVTEDLPQLGDLAVSEVGWDGLRLN WTAADNAYEHFVIQVQEVNKVEAAQN
LTLPGSLR AVDIPGLEAATPYRVSIYGVIRGYRTPVLSAEASTAKEPEIGNLNVSDITP
ESFNLSWMATDGIFETFTI EIIDSNRLLTVEY NISGAERTAHISGLPPSTDFIVYLSGL
APSIRTKTISATATTEALPLENL TISDI NPYGFTVSWMASENAFDSFLVTVD S G KLL
DPQEFTLSGTQRKLELRGLITGIGYEV MVSGFTQGHQTKP LRAEIVTEAEPEVDNLL
VSDATPDGFRLSWTADEGVFDNFVLKIRD TTKKQSEPLEITLLAPERTRDLTGL REAT
EYEIELYGISKGRRSQTVSAIATTAMGSPKEVIFSDITENSATVSWRAPTAQVESFRIT
YVPITGG TSPMVTVDGKTQTQLV KLIPGVEYLVSIIAMKGFESEPEVSGSFTTALDG
PSGLVTANITDSEALARWQ PAIATVDSYVISYTGEKVPEITRTVSGNTVEYALTDLEP
ATEYTLRIFA EKGPKQSSTITAKFTTDL DSP RDLTATEVQSETALLTWRPPRASVTGY
LLVYESVDGTVKEVIVGPD TTSYSLADLSPSTHYTAKIQALNG PLRSNMIQTIFTTIGL
LYPFPKDCSQAMLNGDTTSGLYTIYLN GDKAQALEVFCDMTSDGGGWIVFLRRK N
GRENFYQNW KAYAAGFGDRREEFWLGLDNLNKITAQQGYELRVDLRDHGETAF AV
YDKFSVGDAKTRYK LKVEGYSGTAGDSMAYHNGRSFSTFDKDTDSAITNCALSYK

GAFWYRNCHRVNLMGRYGDNNHSQGVNWF
 HWKGHEHSIQFAEMKLRPSNFRNLEGRKRATRTRPLEQKLISEEDLAANDILDYKD
 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

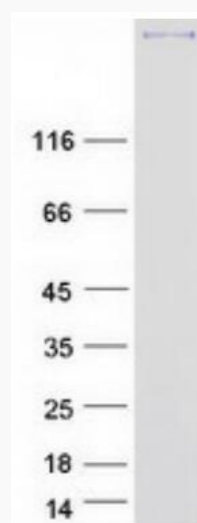
Gene Name	TNC tenascin C [Homo sapiens (human)]
Official Symbol	TNC
Synonyms	GP; JI; TN; HXB; GMEM; TN-C; DFNA56; 150-225
Gene ID	3371

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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.