

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	<p>MGAMTQLLAGVFLAFLALATEGGVLKKVIRHKRQSGVNATLPEENQPVVFNHVYNIK LPVGSQCSVDLES ASGEKDLAPPSEPFSEFQEHTVDGENQIVFTHRINIPRRACGC AAAPDVKELLSRLEELLENLVSSLREQC TAGAGCCLQPATGRILDTRPFCSGRGNFST EGCVCVCEPGWKGPNCSEPECPGNCHLRGRCIDGQCICDDG FTGEDCSQLACPS DCNDQGKCVNGVCICFEGYAGADCSREICPVPCEEHGTCVDGLCVCHDGFAGDD CN KPLCLNNCYNRGRVCVENECVDEGFTGEDCSELICPNDCFDRGRRCINGTCYCE EGFTGEDCGKPTCPHAC HTQGRCEEQGVCDEGFAGVDCSEKRCPADCHNRGR CVDGRCECDDGFTGADCGELKCPNGCSGHGRCVN GQVCVDEGYTGEDCSQLRC</p>

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PNDCHSRGRCVEGKCVCEQQGFKGYDCSDMSPNDCHQHGRVCVNGMVCVDDG Y
TGEDCRDRQCPRDCSNRGLCVDGQCVCEDGFTGPDCAELSCPNDCHGRGRCVN
GQCVCHEGFMGKDCKE QRCPSDCHGQGRCVDGQCICHEGFTGLDCGQHSCPSD
CNNLGQCVSGRCICNEGYSGEDCSEVSPPKDLV VTEVTEETVNLAWDNEMRVTEY
LVVYTPTHEGGLEMQRVPGDQTSTIIRELEPGVEYFIRVFAILENKK SIPVSARVATY
LPAPEGLKFKSIKETSVEVEWDPLDIAFETWEIIFRNMNKEDEGEITKSLRRPETS
Q TGLAPGQEYEISLHIVKNNTRGPGPKRVTTTRLDAPSQIEVKDVTDTTALITWFKPL
AEIDGIELTYGIK DVPGDRTTIDLTEENQYSIGNLKPDEYEVSLISRRGDMSSNPA
KETFTTGLDAPRNLRRVSQTDNSIT LEWRNGKAAIDSYRIKYAPISGGDHAEDVVPK
SQQATTKTTLTGLRPGTEYGIGVSAVKEDKESNPATIN AATELDTPKDLQVSETAET
SLTLLWKTPLAKFDYRLNYSLPTGQWVGVLPRNTTSYVLRGLEPGQEYN VLLTA
EKGRHKSPPARVKASTEQAPELENLTVTEVGWDGLRLNWTAAADQAYEHFIIQVQEA
NKVEAARNL TVPGSLRAVDIPGLKAATPYTVSIYGVIIQGYRTPVLSAEASTGETPNL
GEVVVAEVGWDALKLNWTAPEG AYEYFFIQVQEADTVEAAQNLTVPGGRLRSTDL
GLKAATHYTITIRGVTQDFSTTPLSVEVLTEEVPDMG NLTVTEVSWDALRLNWTPD
GTYDQFTIQVQEADQVEEAHNLTVPGSLRSMEIPGLRAGTPYTVTLHGEV RGHSTR
PLAVEVVTEDLPQLGDLAVSEVGWDGLRLNWTAAADNAYEHFVIQVQEVNKVEAAQN
LTLPGSLR AVDIPGLEAATPYRVSIYGVIRGYRTPVLSAEASTAKEPEIGNLNVS
DITP ESFNLSWMATDGIFETFTI EIIDSNRLLTVEYNISGAERTAHISGLPPSTDFIVYLSGL
APSIRTKTISATATTEALPLENLTISDI NPYGFTVSWMASENAFDSFLVTVVDSGKLL
DPQEFTLSGTQRKLELRGLITGIGYEMVSGFTQGHQTKP LRAEIVTEAEPEVDNLL
VSDATPDGFRLSWTADEGVFDNFVLKIRDTKKQSEPLEITLLAPERTRDLTGL REAT
EYEIELYGISKGRRSQTVSAIATTAMGSPKEVIFSDITENSATVSWRAPTAQVESFRIT
YVPITGG TSPMVTVDGKTQTRLVVKLIPGVEYLVSIIAMKGFEESEPVSGSFTTALDG
PSGLVTANITDSEALARWQ PAIATVDSYVISYTGEKVPEITRTVSGNTVEYALTDLEP
ATEYTLRIFAEGPKQSSTITAKFTTDLDSP RDLTATEVQSETALLTWRPPRASVTGY
LLVYESVDGTVKEVIVGPDTTSSYSLADLSPSTHYTAKIQALNG PLRSNMIQTIFTTIGL
LYPFPKDCSQAMLNGDTTSGLYTIYLNKDQAQALEVFCDMTSDGGGWIVFLRRK N
GRENFYQNWKAYAAGFGDRREEFWLGLDNLNKITAQQQYELRVDLRDHGETAFV
YDKFSVGDATRYK LKVEGYSGTAGDSMAYHNGRSFSTFDKDTDSAITNCALSYK

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GAFWYRNCHRVLNMGRYGDNNHSQGVNWF
 HWKGEHSIQFAEMKLRPSNFRNLEGRKRATRTRPLEQKLISEEDLAANDILDYKD
 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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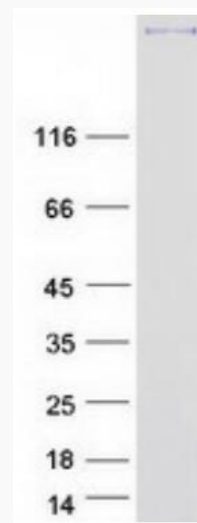
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mRNA Refseq	NM_002160.4
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Protein Refseq	NP_002151.2
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MIM	187380
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UniProt ID	P24821
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Coomassie blue staining of purified TNC protein.

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