

Product datasheet for TP315251

Tenascin C (TNC) (NM_002160) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tenascin C (TNC), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215251 representing NM_002160 Red =Cloning site Green =Tags(s)

MGAMTQLLAGVFLAFLALATEGGVLKKVIRHKRQSGVNATLPEENQPVFNHVYNIKLPVGSQCSVDLES
ASGEKDLAPPSESESFQEHTVDGENQIVFTHRINIPRRACGCAAAPDVKELLSRLEELNVLSSLREQC
TAGAGCCLQPATGRLDTRPFCSGRGNFSTEGCGVCCEPGWKGPNCSEPECPGNCHLRGRCIDGQCICDD
G
FTGEDCSQLACPSDCNDQGKCVNGVCICFEGYAGADCSREICPVPVPCSEEHGTCVDGLCVCHDGFAGDDCN
KPLCLNNCYNRGRVCVENECVDEGFTGEDCSELICPNDCFDRGRINGTCYCEEFTGEDCGKPTCPHAC
HTQGRCEEQCVCDEGFAGVDCSEKRCPADCHNRGRVCDGRCECDDGFTGADCGELKCPNGCSGHGR
VN
GQCVCDEGYTGEDCSQLRCPNDCHSRGRVCEQGFKGYDCSDMSCPNDCHQHGRVNGMVCV
DDG
YTGEDCRDRQCPRDCSNRGLCVDGQVCEDGFTGPDCAELSCPNDCHGRGRVNGQVCHEGFMGKD
CKE
QRCPSDCHGQGRVCDGQCICHEGFTGLDCGQHSCPSDCNNLQCVSGRCICNEGYSGEDCSEVSPPKDL
V
VTEVTEETVNLAWDNEMRVTEYLWVYPTHEGGLEMQFRVPGDQTSTIIRELEPGVEYFIRVFAILNKK
SIPVSARVATYLPAPGLKFKSIKETSVEVEWDPLDIAFETWEIIFRNMNKEDEGEITKSLRRPETSQR
TGLAPGQEYEISLHIVKNNTRGPGLKRVTTTRLDAPSQIEVKDVTDTTALITWFKPLAEIDGIELTYGIK
DVPGDRTTIDLTEENQYSIGNLKPDEYEVSLISRRGDMSSNPAKETFTTGLDAPRNLRVRSQTDNSIT
LEWRNGKAAIDSYRIKYAPISGGDHAEDVDPKSQQATTKTTLTGLRPGTEYGIGVSAVKEDKESNPATIN
AATELDTPKDLQVSETAETSLTLLWKTPLAKFDRLNYSLPTGQWVGVQLPRNTTSYVLRGLEPGQEYN
VLLTAEKGRHKSIPARVKASTEQAPELENLTVTEVGDGLRLNWTAAADQAYEHFIIQVQEAANKVEAARNL
TVPGSLRAVDIPGLKAATPYTVSIYGVIGYRTPVLSAEASTGETPNLGEVVAEVGWDALKLNWTAPEG
AYEYFFIQVQEADTVEAAQNLTPGGLRSTDLPLKAATHYTITIRGVTQDFSTTPLSVEVLTEEVDPDMG
NLTVTEVSWDALRLNWTPDGYDQFTIQVQEQVEEAHNLTPGSLRSMIEPGLRAGTPYVTLHGEV
RGHSTRPLAVEVVTEDLPQLGLDVLAVSEVGDGLRLNWTAAADNAYEHFVIQVQEVNKEAAQNLTLPGSL
R



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AVDIPGLEAATPYRVSIYGVIRGYRTPVLSAEASTAKEPEIGNLNVSDITPESFNLSWMATDGIFETFTI
 EIIDSNRLLLETVEYNISGAERTAHISGLPPSTDFIVYLSGLAPSIRTKTISATATTEALPLENLTISDI
 NPYGFTVSWMASENAFDSFLVTVVDGKLLDPQEFTLSGTQRKLELRGLITGIGYEVMSVSGFTQGHQTKP
 LRAEIVTEAPEVDNLLVSDATPDGFRLSWTADEGVDFDNFVLKIRDTKKQSEPLEITLLAPERTRDLTGL
 REATEYEIELYGISKGRRSQTVSAIATTAMGSPKEVIFSDITENSATVSWRAPTAQVESFRITYVPITGG
 TPSMVTVDGTKTQTRLVKLIPGVEYLVSIAMKGFEESEPVSFSFTTALDGPSGLVTANITDSEALARWQ
 PAIATVDSYVISYTGKVPETRTVSGNTVEYALTDLEPATEYTLRIFAEGKQPQSSTITAKFTTDLDSP
 RDLTATEVQSETALLTWRPPRASVTGYLLVYESVDGTVKEVIVGPDTTSSYSLADLSPSTHYTAKIQALNG
 PLRSNMIQTIFTTIGLLYFPKDCSQAMLNGDTSGLYTIYLNKGDAQALEVFCDMTSDGGGWIVFLRRK
 NGRENFYQNWKAYAAGFGDRREEFWLGLDNLNKITAQQQYELRVDLRDHGETAFVYDKFSVGDATRY
 K
 LKVEGYSGTAGDSMAYHNGRSFSTFDKDTDSAITNCALSYKGAFWYRNCHRVNLMGRYGDNNHSQGVN
 WF
 HWKGGHEHSIQFAEMKLRPSNFRNLEGRRKRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

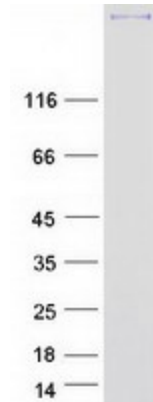
Tag:	C-Myc/DDK
Predicted MW:	238.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002151
Locus ID:	3371
UniProt ID:	P24821
RefSeq Size:	7560
Cytogenetics:	9q33.1
RefSeq ORF:	6603
Synonyms:	150-225; DFNA56; GMEM; GP; HXB; JI; TN; TN-C

Summary: 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. [provided by RefSeq, Jul 2011]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways: ECM-receptor interaction, Focal adhesion

Product images:



Coomassie blue staining of purified TNC protein (Cat# TP315251). The protein was produced from HEK293T cells transfected with TNC cDNA clone (Cat# [RC215251]) using MegaTran 2.0 (Cat# [TT210002]).