

Product datasheet for **TP315251M**

Tenascin C (TNC) (NM_002160) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tenascin C (TNC), 100 µg

Species: Human

Expression Host: HEK293T



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Expression cDNA >RC215251 representing NM_002160
Clone or AA Red=Cloning site Green=Tags(s)
Sequence:

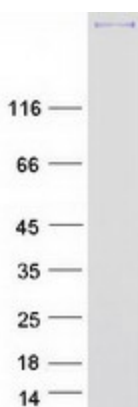
MGAMTQLLAGVFLAFLALATEGGVLKKVIRHKRQSGVNATLPEENQPVWFNHVYNIKLPVGSQCSVDLES
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 TAGAGCCLQPATGRLDTRPFCSGRGNFSTEGCGCVCEPGWKGPNCSEPECPGNCHLRGRCIDGQCICDDG
 FTGEDCSQLACPSDCNDQGKCVNGVCICFEGYAGADCSREICPVPCSEEHGTCVDGLCVCHDGFAGDDCN
 KPLCLNNCYNRGRVCVENECVDEGFTGEDCSELICPNDCFDRGRINGTCYCEEFTGEDCGKPTCPHAC
 HTQGRCEEQCVCEGDFAGVDCSEKRCPADCHNRGRVCVDGRCECDDGFTGADCGELKCPNGCSGHGRVCN
 GQCVCEGYTGEDCSQLRCPNDCHSRGRVCVEGKCVCEQGFQYDCSDMSPNDCHQHGRVCNMGVCDDG
 YTGEDCRDRQCPRDCSNRGLCVDGQCVCEGFTGPDCAELSCPNDCHGRGRVCNQGVCHEGFMGKDCKE
 QRCPSDCHGQGRVCVDGQCICHEGFTGLDCGQHSCPSDCNNLQCVSGRVCICNEGYSGEDCSEVSPKDLV
 VTEVTEETVNLAWDNEMRVTEYLWVYPTHEGGLEMQFRVPGDQTSTIIRELEPGVEYFIRVFAILENKK
 SIPVSARVATYLPAPPEGLKFKSIKETSVEVEWDPLDIAFETWEIIFRNMNKEDEGEITKSLRRPETSQRQ
 TGLAPGQEYEISLHIVKNNTRGPGLKRVTTTRLDAPSQIEVKDVTDTTALITWFKPLAEIDGIELTYGIK
 DVPGDRTTIDLTEENQYSIGNLKPDETEYEVSLISRRGDMSSNPAKETFTTGLDAPRNLRRVSQTDNSIT
 LEWRNGKAAIDSYRIKYAPISGGDHAEVDVPSQQAATKTTLTGLRPGTEYGIGVSAVKEDKESNPATIN
 AATELDTPKDLQVSETAETSLLLWKTPLAKFDYRLNYSLPTGQWVGVQLPRNNTSYVLRGLEPGQEYN
 VLLTAEKGRHKSAPARVKAESTEQAPELENLTVTEVGWDGLRLNWTAAADQAYEHFIIQVQEANKVEAARNL
 TVPGLRAVDIPGLKAATPYTVSIYGVIGYRTPVLSAEASTGETPNLGEVVAEVGWDALKLNWTAPEG
 AYEYFFIQVQEADTVEAAQNLVTPGGLRSTDLPLGLKAATHYTITIRGVTQDFSTPLSVEVLTEEVPDMG
 NLTVTEVSWDALRLNWTPDGTQFTIQVQEQADQVEEAHNLVTPGSLRSMEIPGLRAGTPYTVTLHGEV
 RGHSTRPLAVEVTEDLPLQLGDLAVSEVGWDGLRLNWTAAADNAYEHFIIQVQEVNKEAAQNLTLPGSLR
 AVDIPGLEAATPYRVSIVIRGYRTPVLSAEASTAKEPEIGNLNVSIDITPESFNLSWMATDGFIFETFI
 EIIDSNRLLTVEYNISGAERTAHISGLPPSTDFIVYLSGLAPSIRTKTISATATTEALPLENLTISDI
 NPYGFTVSWMASENAFDSFLVTVDVSGKLLDPQEFLLSGTQRKLELRGLITGIGYEVMSVSGFTQGHQTKP
 LRAEIVTEAEPEVDNLLVSDATPDGFRLSWTADEGVDFNFKIRDTKKQSEPLEITLLAPERTRDLTGL
 REATEYEIELYGISKGRSQTVAIATTAMGSPKEVIFSDITENSATVSWRAPTAQVESFRITYVPITGG
 TPSMVTVDGKTQTRLVKLIPGVEYLVSIAMKGFEESEPVSFSTALDGPGLVTANITDSEALARWQ
 PAIATVDSYVISYTGKVPETRTVSGNTVEYALTDLEPATEYTLRIFAEGPQKSSITAKFTTDLDSP
 RDLTATEVQSETALLTWRPPRASVTGYLLVYESVDGTVKEVIVGPDTSYSLADLSPSTHYTAKIQALNG
 PLRSNMIQTIFTTIGLLYFPFKDCSQAMLNQDTSGLYTIYLNQDKAQALEVFCDMTSDGGGWIVFLRRK
 NGRENFYQNWKAYAAGFGDRREEFWLGLDNLNKITAQGYELRVDLRDHGETAFVYDKFSVGDATRYK
 LKVEGYSGTAGDSMAYHNGRSFSTFDKDTDSAITNCALSYKGAFWYRNCHRVNLMGRYGDNNHSQGVNWF
 HWKGHEHSIQFAEMKLRPSNFRNLEGRRKRA

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

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|--------------------------|--|
| 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 , B4E1W8 , Q4LE33 |
| 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]).