

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

Cat. No. TNR-1550HFL Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Human TNR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| Species | Human |
| Source | Mammalian Cells |
| Description | This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The encoded protein is restricted to the central nervous system. The protein may play a role in neurite outgrowth, neural cell adhesion and modulation of sodium channel function. It is a constituent of perineuronal nets. |
| Form | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| Molecular Mass | 149.4 kDa |
| AA Sequence | <p>MGADGETVVLKNMLIGVNLILLGSMIKPSECQLEVTTTERVQRQSVVEEEGGIANYNNTS SKEQPVVFNHVYN INVPLDNLCSGLEASAEQEVSAEDELAEYMGQTS DHESQVT FTHRINFPKKACPCASSAQLQELLSR IEMLEREVSVLRDQC NANCCQESAATGQL DYIPHCSGHGNFSFESC GCICNEG WFGKNCSEPYCPLGCSS RGV CVDGQCICDSE YSGDDCSELRCPTDCSSRGLCVDGECVCEEPYTGEDCRELRCPGDCSGKGRCAN GT CLCEEGYVGEDCGQRQCLNACSGRGQCEEGLCVCEEGYQGPDCSAVAPPED LRVAGISDRSIELEWDGPM AVTEYVISYQPTALGGLQLQQRVPGDWSGVTTITELEP GLTYNISVYAVISNILSLPITAKVATHLSTPQG LQFKTITETTVEVQWEPF SFSFDGWE ISFIPKNNEGGVIAQVPSDVTSFNQTGLKPGEEYIVNVVALKEQ ARSPTSASVSTVI</p> |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DGPTQILVRDVSDTVAFVEWIPPRAKVDFILLKYGLVGGEGGRTTFRLQPPLSQYS V
 QALRPGSRYEVSVAVRGTNESDSATTQFTTEIDAPKNLRVGSRTATSLDLEWDNS
 EAEVQEYKVVYST LAGEQYHEVLVPRGIGPTTRATLTDLVPGTEYGVGISAVMNSQ
 QSVPATMNARTELDSPRDLMTASSET SISLIWTKASGPIDHYRITFTPSSGIASEVT
 VPKDRTSYTLTDLEPGAHEYIISVTAERGRQQSLESTVDA FTGFRPISHLHFSHVTSSS
 VNITWSDPSPPADRLILNYSRDEEEEMMEVSLDATKRHAVLMGLQPATEY IVNLVA
 VHGTVTSEPIVGSITTGIDPPKDITISNVTKDSVMVSWSPPVASFDYRVSYPRTQVG
 RLDSSV VPNTVTEFTITRLNPATEYEISLNSVRGREESERICTLVHTAMDNPVDLIAT
 NITPTEALLQWKAPVGEV ENYVIVLTHFAVAGETILVDGVSEEFRLVDLLPSTHYTAT
 MYATNGPLTSGTISTNFSLLDPPANLTAS EVTRQSALISWQPPRAEIEINYVLTYSKST
 DGSRKELIVDAEDTWIRLEGLLENTDYTVLLQAAQDTTWSSI TSTAFTTGGRVFPHP
 QDCAQHLMNGDTLSGVYPIFLNGELSQKLQVYCDMTTDGGGWIVFQRRQNGQTF
 FRKWADYRVGFGNVEDEFWLGLDNIHRITSQGRYELRVDMRDGQEAAFASYDRFS
 VEDSRNLYKLRIGSY NGTAGDSL SYHQGRPFSTEDRDNDVAVTNCAMSYKGAWW
 YKNCHRNLNGKYGESRHSQGINWYHWKGHE
 FSIPFVEMKMRPYNHRLMAGRKRQSLQFTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

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| 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. |

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| Protein Families | Druggable Genome |
| Protein Pathways | ECM-receptor interaction, Focal adhesion |
| Full Length | Full L. |

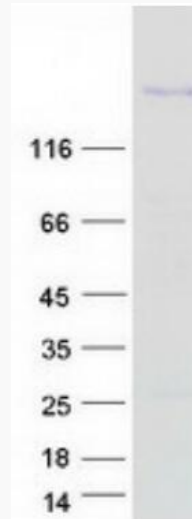
GENE INFORMATION

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|------------------------|---|
| Gene Name | TNR tenascin R [Homo sapiens (human)] |
| Official Symbol | TNR |
| Synonyms | TN-R; NEDSTO |
| Gene ID | 7143 |
| mRNA Refseq | NM_003285.3 |
| Protein Refseq | NP_003276.3 |
| MIM | 601995 |
| UniProt ID | Q92752 |

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Coomassie blue staining of purified TNR protein.

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