

Product datasheet for RC220277

TNR (NM_003285) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNR (NM_003285) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNR
Synonyms:	TN-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220277 representing NM_003285 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCGAGATGGGAAACAGTGGTCTGAAGAACATGCTCATTGGCGTCAACCTGATCCTTCTGGGCT
CCATGATCAAGCCTTCAGAGTGTGAGTGGAGGTACCACAGAAAGGGTCCAGAGACAGTCACTGGAGGA
GGAGGGAGGCATTGCCAACTACAACACGTCCAGCAAAGAGCAGCCTGTGGTCTTCAACCAGTGTACAAC
ATTAACGTGCCCTTGACAACCTCTGCTCCTCAGGGCTAGAGGCCTCTGCTGAGCAGGAGGTGAGTGCAG
AAGACGAGACTCTGGCAGAGTACATGGCCAGACCTCAGACCACGAGAGCCAGGTACCTTTACACACAG
GATCAACTTCCCCAAAAGGCCTGTCCATGTGCCAGTTACGCCAGGTGCTGCAGGAGTCTGAGCCGG
ATCGAGATGCTGGAGAGGGAGGTGTCGGTCTGCGAGACCACTGCAACGCCAACTGCTGCCAAGAAAGTG
CTGCCACAGGACAACCTGGACTATATCCCTCACTGCAGTGGCCACGGCAACTTTAGCTTTGAGTCTGTGG
CTGCATCTGCAACGAAGGCTGGTTTGGCAAGAATTGCTCGGAGCCCTACTGCCCGTGGGTTGCTCCAGC
CGGGGGTGTGTGGATGGCCAGTGCATCTGTGACAGCGAATACAGCGGGGATGACTGTTCCGAACCTCC
GGTGCCCAACAGACTGCAGCTCCCGGGGCTCTGCGTGGACGGGAGTGTGTCTGTAAGAGCCCTACAC
TGGCGAGGACTGCAGGAACTGAGGTGCCCTGGGACTGTTCCGGGAAGGGGAGATGTGCCAACGGTACC
TGTTTATGCGAGGAGGGCTACGTTGGTGGAGACTGCGGCCAGCGCAGTGTCTGAATGCCTCAGTGGG
GAGGACAATGTGAGGAGGGCTCTGCGTCTGTGAAGAGGGTACCAGGGCCCTGACTGCTCAGCAGTTGC
CCCTCCAGAGGACTTGCGAGTGGCTGGTATCAGCGACAGGTCCATTGAGCTGGAATGGGACGGGCGGATG
GCAGTGACGGAATATGTGATCTCTTACCAGCCGACGGCCCTGGGGGCTCCAGCTCCAGCAGCGGGTGC
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GTCCTTTAACAGACAGGACTAAAGCCTGGGGAGGAATACATTGTCAATGTGGTGGCTCTGAAAGAACAG



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GCCCCGAGCCCCCTACCTCGGCCAGCGTCTCCACAGTATTGACGGCCCCACGCAGATCCTGGTTCGCG
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CAGATCTGGTACCTGGCACTGAGTATGGAGTTGGAATATCTGCCGTGATGAACTCACAGCAAAGCGTGCC
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CTTCGCCTCCTACGACAGTTCTCTGTGAGGACAGCAGAAACCTGTACAAACTCCGCATAGGAAGTAC
AACGGCACTGCGGGGACTCCCTCAGCTATCATCAAGGACGCCCTTTCTCCACAGAGGATAGAGACAATG
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CCTCAATGGGAAGTACGGGGAGTCCAGGCACAGTCAGGGCATCACTGGTACCATTGGAAAGGCCATGAG
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AGTCCTTACAGTTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220277 representing NM_003285
 Red=Cloning site Green=Tags(s)

MGADGETVVLKNMLIGVNLILLGSMIKPSECQLEVTTERRVQRQSVEEEGGIANYNTSSKEQPVFNHVYN
 INVPLDNLCSSGLEASAEQVSAEDELAEYMGQTSDHESQVTFTHRINFPKKACPCASSAQLQELLSR
 IEMLEREVSVLRDQC�ANCCQESAAATGQLDYIPHCSGHGNFSFESCGCICNEGWFGKNCSEPYCPLGSS
 RGVCVDGQCICDSEYSGDDCSELRCPTDCSSRGLCVDGECVCEEPYTGEDCRELRCPGDCSCKGRCANGT
 CLCEEYVGEDCGQRQCLNACSGRGQCEEGLCVCEEYQGPDCSAVAPPEDLRVAGISDRSIELEWDGPM
 AVTEYVISYQPTALGGLQLQQRVPGDWSGVTITTELEPGLTYNISVYAVISNILSLPITAKVATHLSTPQG
 LQFKTITETTVEVQWEPFSFDFGWEISFIPKNNEGGVIQVPSDVTSFNQTGLKPGEEYIVNVVALKEQ
 ARSPTSASVSTVIDGPTQILVRDVSDFVAFVEWIPRAKVDIFLLKYGLVGGEGRTTFRLLQPPLSQYS
 VQALRPGSRYEVSVAVRGTNESDSATTQFTTEIDAPKNLRVGSRTATSLDLEWDNSEAEVQEQYKVVYST
 LAGEQYHEVLVPRGIGPTTRATLTDLPVGTVEYGVGISAVMNSQQSVPATMNARTELDSPRDLMTASSET
 SISLIWTKASGPIDHYRITFTPSSGIASEVTPVKDRTSYTLTDLEPGA EYIISVTAERGRQQSLESTVDA
 FTGFRPISHLHFSHVTSSSVNITWSDPSPADRLILNYSRDEEEEMMEVSLDATKRHAVLMGLQPATEY
 IVNLVAVHGTVTSEPIVGSITTGIDPPKDIITISNVTKDSVMVSWSPPVASFDYRVSYPRTQVGRDLSSV
 VPNTVTEFTITRLNPATEYEISLNSVRGREETSERICTLVHTAMDNPVDLIATNITPTEALLQWKAPVGEV
 ENYVIVLTHFAVAGETILVDGVSEEFRLVDLLPSTHYATMYATNGPLTSGTISTNFSTLLDPPANLTAS
 EVTRQSALISWQPPRAE IENYVLTYKSTDGSRKELIVDAEDTWIRLEGLENTDYTVLLQAAQD TTWSSI
 TSTAFTTGGRVFPHQDCAQHLMNGD T LSGVYPIFLNGELSQKLQVYCDMTTDGGGWIVFQRRQNGQ TDF
 FRKWADYRVGFGNVEDEFWLGLDNIHRI TSQGRYELRVDMRDQEAFAFAS YDRFSVEDSRNLKYLRI GSY
 NGTAGDSL SYHQGRPFSTEDRDNDVAV TNCAMS YKGAWWYKNC HRTNLNGKYGESRHSQGINWYHWKGHE
 FSIPFVEMKMRPYNHRLMAGRKRQSLQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

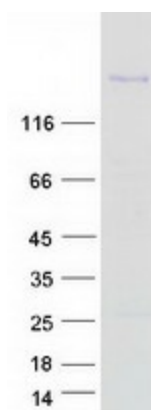


* The last codon before the Stop codon of the ORF

ACCN: NM_003285

ORF Size: 4074 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003285.1 , NP_003276.2
RefSeq Size:	4716 bp
RefSeq ORF:	4077 bp
Locus ID:	7143
UniProt ID:	Q92752
Cytogenetics:	1q25.1
Protein Families:	Druggable Genome
Protein Pathways:	ECM-receptor interaction, Focal adhesion
MW:	149.4 kDa
Gene Summary:	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. [provided by RefSeq, Aug 2013]



Coomassie blue staining of purified TNR protein (Cat# [TP320277]). The protein was produced from HEK293T cells transfected with TNR cDNA clone (Cat# RC220277) using MegaTran 2.0 (Cat# [TT210002]).