

Product datasheet for **SC304989**

Tenascin N (TNN) (NM_022093) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tenascin N (TNN) (NM_022093) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNN
Synonyms:	TN-W; TNW
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_022093 edited
GCCACCATGAGTCTCCAGGAGATGTTCCGCTTCCCTATGGGGCTCCTGCTTGGCTCTGTG
CTCCTGGTGGCTTCGGCCCCAGCCACTCTGGAGCCTCCCGGCTGCAGCAACAAGGAGCAA
CAGGTCACTGTACGCCACACCTACAAGATCGATGTGCCCAAGTCTGCCTTGGTTCAAGTT
GACGCTGACCCTCAGCCCCTCAGTGACGATGGGGCTTCGCTCTTGGCCCTGGGGGAGGCC
AGGGAGGAACAGAACATCATCTTCAGGCACAACATCCGCCTTCAGACGCCACAGAAGGAC
TGCGAGTTGGCAGGCAGTGTCCAGGACCTCCTGGCCCGGGTGAAGAAGCTGGAGGAAGAG
ATGGTGGAGATGAAGGAACAGTGTAGTGCCAGCGCTGCTGCCAGGGAGTCACTGATCTA
AGCCGCCACTGCAGCGGCCACGGGACCTTCTCCCTGGAGACCTGCAGCTGCCACTGCGAA
GAGGGCAGGGAGGGCCCCGCTGCGAGCGGCTGGCCTGCCCGGGGCGTGCAGCGGCCAC
GGCGTTGCGTGGACGGGCGCTGCCTGTGCCATGAGCCCTACGTGGGTGCCGACTGCGGC
TACCCGGCTGCCCTGAGAACTGCAGCGGACACGGCGAGTGCCTGCGCGCGTGTGCCAG
TGCCACGAAGACTTCATGTCTGGAGGACTGCAGCGAGAAGCGCTGTCCCGGCGACTGCAGC
GGCCACGGCTTCTGTGACACGGGCGAGTGTACTGCGAGGAGGGCTTACAGGCCTGGAC
TGTGCCAGGTGGTCAACCCACAGGGCCTGCAGCTGCTCAAGAACACGGAGGATTCTCTG
CTGGTGAAGCTGGGAGCCCTCCAGCCAGGTGGATCACTACCTCCTCAGCTACTACCCCTG
GGGAAGGAGCTCTCTGGGAAGCAGATCCAAGTGCCCAAGGAGCAGCACAGCTATGAGATT
CTTGGTTTGTGCTGCCTGGAACCAAGTACATAGTCAACCTGCGTAACGTCAAGAATGAAGTT
TCTAGCAGCCCACAGCATCTACTTGCCACCACAGACCTTGCTGTGCTTGGCACTGCCTGG
GTGACAGATGAGACTGAGAACTCCCTTGACGTGGAGTGGGAAAACCCCTCAACTGAGGTG
GACTACTACAAGCTGCGATATGGCCCCATGACAGGACAGGAGGTAGCTGAGGTCACTGTG
CCCCAAGAGCAGTGACCCCAAGAGCCGATATGACATCACTGGTCTGCACCCGGGGACTGAG
TATAAGATCACGGTGGTCCCATGAGAGGAGAGCTGGAGGGCAAGCCGATCCTCCTGAAT
GGCAGGACAGAAATTGACAGTCCAACCAATGTTGTCACTGATCGAGTGACTGAAGACACA
GCAACTGTCTCCTGGGACCCAGTGCAGGCTGTCATAGACAAGTATGTAGTGGCTACACT
TCTGCTGATGGGGACACCAAGGAAATGGCAGTGCACAAGGATGAGAGCAGCACTGTCTG
ACGGCCCTGAAGCCAGGAGGACATACAAGTCTACGTGTGGGCTGAAAGGGCAACCAG



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GGGAGCAAGAAAGCTGACACCAATGCCCTCACAGAAATTGACAGCCCAGCAAACCTGGTG
 ACTGACCGGGTGACTGAGAATACCGCCACCATCTCCTGGGACCCGGTACAGGCCACCATT
 GACAAGTACGTGGTGCGCTACACCTCTGCTGACGACCAAGAGACCAGAGAGGTTCTGGTG
 GGGAAAGGAGCAGAGCAGCACTGTCTGACAGGCCCTGAGGCCAGGTGTGGAGTACACAGTG
 CATGTCTGGGCCAGAAGGGGGACCGAGAGAGCAAGAAGGCTGACACCAACGCCCCGACA
 GATATTGACAGCCCCAAAAACCTGGTGACTGACCGGGTGACAGAGAATATGGCCACGGTC
 TCCTGGGACCCGGTGACAGCCGCCATTGACAAGTACGTGGTGCGCTACACCTCTGCTGGT
 GGAGAGACCAGGAGGTTCCGGTGGGGAAGGAGCAGAGCAGCACAGTCTGACAGGCCTG
 AGACCCGGGTATGGAGTACATGGTGCACGTGTGGGCCAGAAAGGGGACCAGGAGAGCAAG
 AAGGCCGACACCAAGGCCAGACAGACATTGACAGCCCCAAAAACCTGGTGACCGACCGG
 GTGACAGAGAATATGGCCACTGTCTCCTGGGACCCGGTGCGGGCCACCATTGACAGGTAT
 GTGGTGCCTACACCTCTGCAAGGACGGAGAGACCAGGGAGGTTCCGGTGGGGAAGGAG
 CAGAGTAGCACTGTCTGACGGCCTGAGGCCGGGTGTGGAGTACACGGTGCACGTGTGG
 GCCAGAAGGGGGCCAGGAGAGCAAGAAGGCTGACACCAAGGCCAGACAGACATTGAC
 AGCCCCAAAAACCTGGTCACTGACTGGGTGACAGAGAATACAGCCACTGTCTCCTGGGAC
 CCGGTGACAGGCCACCATTGACAGGTATGTGGTGCACACTACAGTCTGCCAACGGAGAGACC
 AGGGAGGTTCCAGTGGGGAAGGAGCAGAGCAGCACTGTCTGACGGCCCTGAGGCCGGGG
 ATGGAGTACACGGTGCACGTGTGGGCCAGAAAGGGGAACAGGAGAGCAAGAAGGCTGAC
 ACCAAGGCCCAGACAGAAATTGACGGCCCCAAAAACCTAGTGACTGACTGGGTGACGGAG
 AATATGGCCACTGTCTCCTGGGACCCGGTTCAGGCCACCATTGACAAGTACATGGTGCGC
 TACACCTCTGCTGACGGAGAGACCAGGGAGGTTCCGGTGGGGAAGGAGCAGCAGCACT
 GTCCTGACGGGCCCTGAGACCAGGCATGGAGTACATGGTGCACGTGTGGGCCAGAAAGGG
 GCCCAGGAGAGCAAGAAGGCTGACACCAAGGCCAGACAGAACTGACCCCTCCAGAAAC
 CTCGTCCATCTGCTGTAAACGCAGTCTGGTGGCATATTGACCTGGACGCCCCCTCTGCT
 CAGATCCACGGCTACATTCTGACTTACCAGTTCAGATGGCACAGTTAAGGAGATGCAG
 CTGGGACGGGAAGACCAGAGGTTTGCCTTGAAGGCCCTGAGCAAGGCGCCACCTACCCT
 GTCTCCCTTGTTCCTTTAAGGGTGGTGCAGGAGCAGAAATGTATCCACCACCCTCTCC
 ACAGTTGGTGCCCGTTTCCACACCCTTCGGACTGCAGTCAGGTTGAGCAGAACAGCAAT
 GCCGCCAGTGGTCTGTACACCATCTACCTGCATGGCGATGCCAGCCGGCCCTGCAGGTG
 TACTGTGACATGGAACGGACGGAGGTGGCTGGATTGTCTTCCAGAGCGGAACACTGGG
 CAGCTGGATTTCTCAAG:CGATGGAGGAGCTATGTGGAAGGCTTTGGGACCCCATGAA
 GGAGTTCTGGCTTGGACTTGACAAGCTACACAACCTACCACCGCACTCCAGCGCGGTA
 TGAGGTGAGAGTGGATTTACAGACTGCCAATGAATCTGCCTATGCTATATATGATTTCTT
 CCAAGTGGCCTCCAGCAAGGAGCGGTATAAGCTGACAGTTGGGAAATACAGAGGCACGGC
 AGGGGATGCTCTTACTTACCACAATGGATGGAAGTTTACAACCTTTTGGACAGACAATGA
 TATCGCACTCAGCAACTGTGCCCTGACACATCATGGTGGCTGGTGGTATAAGAAGTGCCA
 CTTGGCCAACCCTAATGGCAGATATGGGAGACCAAGCACAGTGAGGGGGTGAAGTGGGA
 GCCTTGGAAAGGACATGAATTCCTTACCTTACGTGGAGTTGAAAATCCGCCCTCATGG
 CTACAGCAGGGAGCCTGTCTGGGCAGAAAGAAGCGGACGCTGAGAGGAAGGCTGCGAAC
 GTTCTGA

Restriction Sites:

Please inquire

ACCN:

NM_022093

Insert Size:

4000 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_022093.1 , NP_071376.1
RefSeq Size:	5008 bp
RefSeq ORF:	3900 bp
Locus ID:	63923
UniProt ID:	Q9UQP3
Cytogenetics:	1q25.1
Protein Families:	Druggable Genome
Protein Pathways:	ECM-receptor interaction, Focal adhesion
Gene Summary:	Extracellular matrix protein that seems to be a ligand for ITGA8:ITGB1, ITGAV:ITGB1 and ITGA4:ITGB1 (By similarity) (PubMed:17909022). Involved in neurite outgrowth and cell migration in hippocampal explants (By similarity). During endochondral bone formation, inhibits proliferation and differentiation of proteoblasts mediated by canonical WNT signaling (By similarity). In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells (PubMed:19884327). Expressed in most mammary tumors, may facilitate tumorigenesis by supporting the migratory behavior of breast cancer cells (PubMed:17909022).[UniProtKB/Swiss-Prot Function]