

Product datasheet for MC224688

Tnn (NM_177839) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnn (NM_177839) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tnn
Synonyms: tenascin-W; TN-W; Tnw
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224688 representing NM_177839
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTCTCTGGGGGATGCTCGCCTTCCCCTGGGATTTCTGCTTCTGTGCTCCTGGTGGCTTCGG
 CCCCAGCCACTCCAGAGTCTCCCGCTGCAGCAACAAAGAGCAACAGGTCCTGTTAGCCACACCTACAA
 GATTGACGTGCCAAGTCTGCTCTGGTTCAAGTAGAGACCGACCCACAGTCACTCAGCGATGATGGGACA
 TCACTCTTGGCTCCCGGGGAGGATGGGGAGGAGCAGAACATTATCTTCAGGCACAACATCCGTCTTCAGA
 CACCGCAGAAGAATTGCGACCTGGCAGACAGTGTCCAGGACCTGTAGCCCGGATGAAAAAGCTGGAGGA
 AGAGATGGCAGAGCTGAAGGAGCAGTGAATACCAACCGTGTGCCAGGGGGCTGTGATCTGAGCCGT
 CACTGCAGTGGCCACGGGACCTTCTCCCTGAGACCTGCAGTGCCTGTGACCAGGGCTGGGAGGGCG
 CAGACTGTGATCAGCCACCTGTCTGGGGCTTGAACGGCCACGGGCGCTGTGTGGATGGGAGTGGCT
 GTGTGACGCGCCCTATGTGGGGTGCAGTGCCTACGCCCTGTCCCCAGGACTGCAGTGGGCATGGC
 GTGTGCGTGCAGGGTGTCTGCCAGTGCACGAGGACTTCACAGCAGAGGACTGCAGCGAGCAGCGTGTCT
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 CGACTGTTCCAGGTGGTGGCTCCTCAGGGCCTGCAGTTGCTCAAGAGCACGGAGAACTCTCTGCTGGTG
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 CAAAACAGGTCCGGGTACCCAAGGAGCAGCACACCTATGACATCACCGGCTTGTGCCTGGAACCAAGTA
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 CTTGCTGTGGTGGGCACAGCCTGGGTAATGAAGAGACTGAGACATCCCTCGATGTGGATGGGAGAACC
 CTCTGACTGAGGTGGACTATTACAAGCTTCGGTATGGCCCCTAACAGGGCAGGAGGTGACAGAGGTCAC
 TGTGCCAAGAGCCGTGATCCCAAGAGCAGATATGACATCACTGGTCTGCAGCCTGGAACGGAATATAAA
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 ATGGACCAACCAATGTGGTCACAAATCAGGTGACAGAAGACACAGCATCTGTTTCCCTGGGATCCAGTGAG
 GGCTGACATAGACAAGTATGTGGTGCCTATATCGCCCCGATGGGGAGACCAAGGAGAAGGCAGTACCA
 AAGGACCAGAGCAGCACCCTTCTCACAGGCCTGAAGCCAGGAGAGGCCTACAAAGTCTTTGTGTGGGCTG



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AGAGGGGCAACCAAGGCAGCAAGAAAGCAGACACCAAGGCCCTCACAGAAATTGACAGTCCAGAAAACCT
 GGTGACTGACCGGTGACAGAGAACAGCCTCTCTGTCTCGTGGGACCCAGTGGAGGCTGACATCGACAGG
 TATGTGGTAAGCTACACTTCCGTGGATGGAGAGACGAAGCAGGTTCCAGTGAAGAAGGACCAGAGGAGCA
 CCGTCTCACCGGCTGAGTCCCGGTGTGGAGTACAAAGTTTACGTGTGGCAGAGAAAGGGCATCGGGA
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 GAGGCCAGGTGTGGAGTACAAGTCCATGTGTGGGCCAGAAAGGGACCCAGGAGAGCAGAAAGGCCAAC
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 GTGTCTCCTGGGACCCAGTGGAGGCTGACATTGATAGGTACATGGTTCGTACACGTCTCCTGATGGAGA
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 GATAGGTACATGGTTCGTACACGTCTCCTGATGGAGAGACCAAGGAGGTGCCTGTGTCAAAGGATAAGA
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 CCAGGACAGCCGGAAGGCCAACCAAGGCCCCACAGATATTGATAGTCCAAAAACCTGGCGATCGAC
 CAGGTGACAGAGACCCTCTCAGTGTCTCCTGGGACCCAGTACAGGCTGACATTGACAGGTATGTGGTGC
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 AGGCCAGCCAGGTGTGGAGTACAAGTGAAGTGTGGGCCAGAAAGGAGCCCGGAGAGCAAGAAA
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 TGGAGAGACCAGGGAGATTCCAGTGAAGGAGAAGAGCAGCACTGTCCTCACAGGCCTGAGACCGGGT
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 CCACAGAAATTGACAGCCCCAAGAACTTGGTGACCAACCGAGTACAGAAAAACAGCCACCATCTCCTG
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 CAAATTGATGGCTACATTTTACCTACCAGTTCCAAATGGCACCGTGAAGGAGGTGGAGCTCCCAAGAG
 GCCAGCAGAGATTTGAATTGCAAGACCTGGAACAGGGTGTACCTATCCTGTTTCCTTGGTTGCCTTCAA
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 GACTGCAGTCAAGTTCAGCAGAACCAACCGTCCAGTGGGCTCTACACCATCTACCTCAATGGTGATG
 CCAGCCGGCCATGCAGGTGACTGCGACATGGACACTGACGGAGGCGGCTGGATTGTCTCCAGAGACG
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 GAGTTCTGGCTTGACTTGATAAACTACATAATCTCACCCTGGCACCACTCGGTATGAGGTGAGGG
 CAGACTTACAGACTTTCAATGAATCTGCCTACGCTGTATATGATTTCTTCCAAGTGGCATCCAGCAAAGA
 GCGGTACAAGCTGTCCGTTGGGAAATACAGAGGCACAGCCGGGGATGCTCTACCTACCACAATGGATGG
 AAGTTCACGACTTTTACAGAGACAATGATATTGCCCTCAGCAACTGTGCACTGACGCATCATGGTGGCT
 GGTGGTAAAGAACTGCCATTTGGCCAACCCGAATGGCAAATAGGGGAGACCAAGCACAGCGAGGGGGT
 GAACTGGGAGCCATGGAAGGGACATGAGTTCTCCATTCTTATGTGGAGCTGAAATCCGCCGTTTGGT
 TACAGCAGAGACCGTTTCTGCGAGAAAGAAGCGCTCCATAGGAAAAGCAAGGATGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_177839

Insert Size:	4683 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).
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:	<u>NM_177839.3</u> , <u>NP_808507.2</u>
RefSeq Size:	5825 bp
RefSeq ORF:	4683 bp
Locus ID:	329278
UniProt ID:	<u>Q80Z71</u>
Cytogenetics:	1 H2.1
Gene Summary:	Extracellular matrix protein that seems to be a ligand for ITGA8:ITGB1, ITGAV:ITGB1 and ITGA4:ITGB1 (By similarity) (PubMed:14709716). Involved in neurite outgrowth and cell migration in hippocampal explants (PubMed:12812753). During endochondral bone formation, inhibits proliferation and differentiation of proteoblasts mediated by canonical WNT signaling (PubMed:17395156). In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells (By similarity). Expressed in most mammary tumors, may facilitate tumorigenesis by supporting the migratory behavior of breast cancer cells (PubMed:15592496).[UniProtKB/Swiss-Prot Function]