OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC225127

Tnc (NM_011607) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnc (NM_011607) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnc
Synonyms:	AI528729; C130033P17Rik; cytotactin; Hxb; Ten; tenascin-C; TN; TN-C
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225127 representing NM_011607 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGGGCCGTGACCTGGCTACTGCCAGGCATCTTTCTAGCTTTGTTTGCCCTCACTCCCGAAGGTGGGG TCCTCAAGAAAATCATCAGGCACAAGCGAGAGAGTGGGCTAAACATGACCCTGCCAGAAGAGAATCAGCC AGTGGTGTTCAACCATATCTACAACATCAAGTTGCCCATGGGTTCCCAATGCTCAGTGGATCTGGAGTCA GCGAGTGGGGAGAAAGACCTGACCCCCACGCCAGAGTCCAGTGGGAGCTTCCAGGAACATACAGTGGATG GGGAAAACCAAATTGTATTCACACACCGCATCAACATCCCCCGCCGGGCCTGTGGCTGTGCTGCAGCTCC AGATGTGAAGGAGCTCCTGAGCAGGCTGGAGGAGCTGGAGTTGCTGGTATCGTCTCTAAGGGAGCAGTGC ACCATGGGTACAGGCTGTTGCCTCCAACCTGCAGAAGGTCGTCTGGACACCAGGCCCTTCTGCAGCGGAC GGGGCAACTTCAGTGCAGAAGGCTGCGGCTGTGTCTGTGAACCAGGCTGGAAAGGCCCCAACTGCTCTGA GCCTGACTGCCCTGGGAACTGTAATCTCAGAGGCCAGTGCCTTGACGGCCAGTGTATCTGTGACGAGGGT TTCACTGGGGAAGACTGCAGCCAGCTGGCCTGTCCGAACGACTGCAATGACCAGGGCAGGTGTGTGAACG GGGTCTGTGTGTGCTTCGAAGGCTATGCCGGCCCTGACTGTGGCCTGGAAGTCTGCCCAGTGCCCTGCAG CGAGGAACACGGGATGTGTGTGGATGGCAGGTGTGTGTGCAAAGATGGCTTTGCGGGTGAGGACTGCAAC GAGCCCCTTTGCCTCAACAACTGCTACAATCGTGGGCGGTGTGTGGAGAACGAGTGTGTCTGCGACGAGG GCTTCACTGGCGAGGACTGCAGTGAGCTCATTTGCCCCAACGACTGCTTCGACCGCGGTCGCTGCATCAA TGGCACCTGCTACTGTGAAGAAGGTTTCACGGGCGAAGACTGCGGTGAGCTCACCTGCCCCAACGACTGT CAGGGCCGTGGCCAGTGTGAGGAGGGACAGTGTGTTTGCAACGAGGGCTTTGCAGGAGCAGACTGCAGTG AAAAGCGGTGTCCCGCCGATTGTCACCACCGTGGCCGCTGCCTCAACGGGCAGTGTGAGTGTGACGATGG GTTCACAGGGGCTGACTGTGGGGATCTCCAGTGTCCCAATGGCTGCAGTGGGCATGGCCGTTGTGTCAAC GGGCAGTGCGTGTGTGACGAGGGCTATACCGGAGAAGACTGTAGCCAGCGGCGATGCCCCAATGACTGTC ACAACCGGGGTCTCTGCGTACAGGGCAAGTGCATATGTGAACAAGGCTTCAAGGGCTTTGACTGTAGTGA GATGAGCTGTCCCAATGACTGCCACCAACATGGCCGCTGTGTGAATGGCATGTGTATCTGTGATGACGAC TACACTGGGGAAGACTGCAGAGACCGGCGCTGTCCCCGGGACTGTAGCCAGCGGGGGCGCTGTGTAGACG

View online »

GACAGTGCATCTGTGAGGATGGCTTCACTGGCCCTGACTGTGCTGAGCTTTCCTGCCCCAGTGACTGCCA
CGGCCATGGCCGCTGTGTGAATGGCCAATGCATCTGCCACGAGGGCTTCACTGGCAAAGACTGCAAAGAG
CAAAGGTGCCCCAGTGATTGCCATGGCCAAGGCCGCTGTGAGGACGGCCAGTGTATCTGCCATGAGGGCT
TTACGGGCCTGGACTGTGGGCAGCGCTCCTGTCCCAATGACTGCAGCAACCAAGGACAATGTGTGTCAGG
CCGCTGCATCTGCAATGAAGGTTACACAGGGATAGACTGCTCTGAGGTGTCCCCTCCCAAAGACCTTATT
GTGACAGAAGTAACAGAGGAGACTGTAAATCTGGCATGGGACAATGAGATGCGGGTCACTGAGTACCTCA
TTATGTACACACCCACCCATGCTGATGGCCTAGAGATGCAGTTCCGTGTGCCTGGGGACCAGACATCCAC
CACCATTCGGGAGCTGGAACCAGGGGTGGAGTACTTCATTCGTGTGTTCGCCATCTTGGAAAACAAGAGG
AGCATCCCTGTCAGTGCCAGGGTTGCCACCTATTTGCCTGCACCTGAAGGTCTAAAATTCAAGTCTATCA
AGGAGACATCTGTGGAAGTAGAGTGGGATCCTCTAGACATTGCTTTCGAAACATGGGAGATCATTTTCCG
AAATATGAACAAAGAAGATGAGGGAGAGATCACAAAAAGTCTGAGGAGACCAGAGACCTCCTACCGCCAA
ACTGGCCTTGCTCCTGGCCAAGAGTATGAAATATCTCTGCACATTGTGAAAAACAACACCCGAGGCCCCG
GCTTGAAGAAAGTAACCACAACCCGCCTGGATGCCCCCAGCCATATTGAGGTGAAAGATGTCACAGACAC
CACAGCACTGATCACCTGGTTCAAGCCCTTGGCTGAAATTGATAGCATTGAGCTCTCCTATGGCATCAAG
GATGTACCTGGAGACCGTACCACCATCGACCTCACACACGAAGACAACCAGTACTCCATCGGGAACCTGA
GACCTGACACGGAGTATGAGGTGTCCCTCATCTCCCGCAGAGTGGACATGGCAAGCAACCCTGCCAAAGA
GACCTTCATCACAGGCCTGGATGCTCCCAGGAATCTCCGCCGTGTCTCACAGACAGACAACAGCATCACC
TTGGAGTGGAGGAACGTCAAGGCAGACATCGACAGTTACAGAATTAAGTATGCCCCTATCTCTGGAGGTG
ACCATGCTGAGATAGATGTTCCAAAGAGCCAGCAAGCCACAACCAAAACCACACTCACAGGTCTAAGGCC
CGGAACTGAATATGGGATTGGTGTTTCTGCTGTCAAGGGAGACAAGGAGAGTGATCCAGCAACCATCAAT
GCGGCCACAGAAATTGATGCACCCAAGGACTTACGGGTGTCTGAAACCACACAAGACAGTCTGACGTTTT
TCTGGACGACACCCCTGGCCAAGTTTGATCGTTACCGCCTCAACTACAGCCTCCCCACAGGCCAGTCGAT
GGAAGTCCAGCTGCCAAAGGATGCCACCTCCCATGTCCTGACAGACCTGGAGCCAGGGCAAGAATACACT
GTTCTCCTCATTGCTGAGAAGGGCAGACACAAGAGCAAGCCTGCACGTGTGAAGGCATCCACGGAAGAAG
TGCCTTCCCTGGAAAATCTCACTGTGACTGAGGCCGGCTGGGATGGCCTCAGACTCAACTGGACTGCAGA
TGACCTGGCCTATGAGTACTTTGTCATTCAGGTACAGGAAGCCAACAATGTGGAGACTGCTCACAACTTC
ACAGTACCTGGTAACCTCCGGGCTGCAGACATCCCAGGCCTCAAGGTTGCCACTTCTTATAGAGTCTCCA
TCTATGGGGTAGCCCGGGGCTATAGAACACCAGTGCTCTCTGCCGAGACCTCCACAGGGACAACTCCCAA
TCTGGGAGAGGTCACTGTGGCCGAGGTGGGCTGGGATGCCCTCACGCTCAACTGGACTGCTCCAGAAGGA
GCCTATAAGAACTTTTTCATTCAGGTGCTAGAGGCTGACACGACCCAGACTGTCCAGAACCTCACAGTCC
CAGGAGGACTGAGGTCAGTGGACCTGCCTGGGCTCAAAGCAGCCACCCGCTACTACATCACCCTTCGAGG
GGTCACCCAGGACTTCGGCACGGCCCCTCTCTCTGTTGAGGTCTTGACAGAGGATCTCCCTCAGCTGGGA
GGCTTGTCTGTGACTGAGGTCAGCTGGGACGGCCTCACACTCAACTGGACCACAGATGACCTGGCCTATA
AGCACTTTGTCGTTCAGGTGCAGGAGGCCAACAATGTGGAGGCCGCTCAGAACCTCACGGTACCCGGCAG
CCTCAGAGCTGTGGACATCCCAGGCCTCAAGGCCGACACCCCTTATAGAGTCTCCATCTACGGGGTCATC
CAGGGCTATAGAACACCGATGCTCTCTACTGACGTCTCCACAGCCAGAGAACCTGAAATTGGAAACTTAA
ATGTTTCTGATGTAACTCCTAAGAGCTTCAATCTCTCCTGGACAGCTACCGACGGGATCTTCGACATGTT
TACTATTGAAATTATTGATTCTAATAGGTTGCTGCAAACAGCAGAACATAATATATCTGGTGCTGAACGG
ACTGCCCACATCTCAGGGCTTCCACCTAGTACTGATTTCATTGTCTACCTCTCTGGAATTGCTCCCAGCA
TCCGTACCAAAACCATCAGTACCACGGCTACCACAGAAGCTGAACCGGAAGTTGACAACCTTCTAGTTTC
AGATGCCACTCCAGACGGTTTCCGTCTGTCCTGGACTGCTGATGAAGGGATATTCGACAGTTTTGTTATC
AGGATCAGAGATACCAAAAAGCAATCTGAGCCACAAGAAATATCCCTCCCTTCCCCCGAACGTACCAGGG
ACATAACAGGTCTCAGAGAGGCCACTGAGTACGAAATTGAACTCTATGGAATAAGCCGCGGAAGGCGATC
CCAGCCAGTCAGTGCCATAGCAACAACAGCCATGGGTTCTCCGAAGGAAATCATGTTCTCAGACATCACT
GAAAATGCAGCCACAGTCAGCTGGAGGGCACCTACTGCTCAGGTGGAGAGTTTCCGGATCACTTATGTAC
CTATGACAGGAGGTGCCCCGTCCATGGTGACTGTGGATGGAACAGATACTGAGACCAGGCTGGTGAAGCT
TACCCCGGGTGTAGAGTACCGCGTCAGTGTGATTGCCATGAAGGGATTCGAAGAAAGCGATCCAGTCTCG
GGGACTCTAATCACAGCTCTGGATGGTCCATCTGGTCTTCTGATAGCCAACATCACAGACTCAGAAGCCT
TGGCCATGTGGCAGCCAGCCATTGCCACTGTGGACAGTTATGTCATCTCCTACACAGGGGAGAGAGTGCC
AGAAGTTACACGCACAGTGTCTGGAAATACAGTGGAGTACGAGCTGCATGACCTGGAGCCTGCCACAGAG
TACATCCTGAGTATCTTTGCAGAGAAAGGACAGCAGAAGAGCTCTACCATCGCCACCAAGTTTACCACAG
ACCTCGATTCCCCAAGAGAATTTACAGCTACAGAGGTTCAGTCAGAAACTGCCCTCCTTACCTGGAGACC

TCCCCGAGCATCGGTCACTGGATACCTCCTGGTCTATGAATCTGTGGATGGTACAGTCAAGGAAGTCATT
GTGGGGCCTGACACCACCTCCTACAGCCTGGCAGACCTGAGCCCATCCACCCACTACTCAGCAAGGATCC
AGGCATTGAGTGGGTCCCTGAGGAGCAAGCTGATCCAAACCATCTTCACAACAATTGGACTCCTGTACCC
ATTCCCCAGGGACTGCTCTCAAGCAATGTTGAATGGTGATACTACCTCTGGCCTCTACACCATCTATATA
AATGGTGACAAGACTCAAGCACTGGAAGTCTACTGTGATATGACCTCTGATGGAGGTGGATGGATTGTTT
TCCTGAGACGCAAAAATGGACGTGAGGACTTCTATCGCAACTGGAAGGCCTATGCTGCTGGGTTTGGAGA
CCGCAGAGAAGAATTTTGGCTTGGACTGGATAACCTGAGCAAAATCACAGCCCAAGGGCAGTATGAGCTC
CGGGTGGACCTACAAGACCATGGGGAGTCTGCCTATGCTGTGTACGACAGATTCAGTGTTGGAGATGCCA
AGAGTCGCTACAAGCTGAAGGTAGAAGGATACAGTGGAACAGCAGGTGACTCCATGAACTATCACAATGG
TAGATCCTTCTCCACCTATGACAAGGACACAGACTCAGCCATCACCAACTGTGCCCTGTCCTACAAAGGA
GCTTTCTGGTATAAGAACTGTCATCGTGTCAACCTGATGGGCAGATATGGGGACAATAACCACAGTCAGG
GCGTTAACTGGTTCCATTGGAAGGGCCATGAGTACTCAATCCAGTTTGCTGAGATGAAACTGAGACCCAG
CAACTTCCGAAATCTGGAAGGCAGGCGTAAGCGGGCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011607

Insert Size: 6060 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:
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_011607.3, NP_035737.2

RefSeq Size: 7100 bp

RefSeq ORF: 6060 bp

Locus ID: 21923

UniProt ID: Q80YX1

Cytogenetics: 4 34.06 cM

Gene Summary: Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth when provided to neurons in culture. May play a role in supporting the growth of epithelial tumors. Ligand for integrins ITGA8:ITGB1, ITGA9:ITGB1, ITGAV:ITGB3 and ITGAV:ITGB6. In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells (By similarity).[UniProtKB/Swiss-Prot Function]