

Product datasheet for MC224476

Tns3 (NM_001083587) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tns3 (NM_001083587) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tns3
Synonyms: BC023928; F830010I22Rik; TEM6; Tens1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224476 representing NM_001083587
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGACAGCCACGAAGTGGACCTTACGTATGTCACCGAGCGTATCATCGCAGTGTCTTCCCTGCCA
 GTTGTTCCAGAGGAGTCTACTTGCACAGCTGCAGGAAGTACACGCATGCTCAAGTGTAAAGCATGGAGA
 CAACTACCTGGTATTAACCTTTTCAGAGAAGAGATATGACCTTACAAAGCTTAATCCAAAGATCATGGAT
 GTGGGCTGGCCCGAGCTGCATGCACCTCCTCTTGACAAGATGTGCACTATATGTAAGGCTCAGGAGTCTT
 GGCTGAACAACGACCCCGAGCATGTGGTCTGTCACCTGCAGGGGTGGTAAAGGACGCATTGGAGTGGT
 CATATCGTCTACATGCACTTACCAACGTCTCAGCCAGTGTGACCAGGCACTGGACAGGTTTGAATG
 AAGAAGTTTTATGATGACAAAATTTTCAGCTTAAATGGAGCCCTCCAGAAAGCGGTACGTGCAGTTTCTCA
 GCGGGCTACTGTCTGGAGCCATGAAGATGAACACCTCACCTCTGTTCTACACTTCGTATCATGCATGG
 TGTCCCGAGCTTTGCACTGGAGGAGCTTGCCGGCCCTTCTGAAGCTCTACCAAGCTATGCAGCCTGTG
 TACACATCTGGAATCTACAATGTCGGCTCTGAAAACCCAGCAGGATCCGCATCGCCATTGAGCCGGCC
 AGCTGCTGAAGGGTGACATCATGGTGAATGCTATCACAAGAAGTCCGCTCGGCCACCCGTGATGTCAT
 TTTCCGCCTGCAGTTCACACCGAGCTGTGCAGGGCTACGGGCTTCTGTTTGGAAAGGAAGAAGTGGAC
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 AGATTCAGGATCGGAGCATCTGTACAGCGACCAGGGAGTGACCGTGGACTATAACACAGCAGACCCGCT
 GATTCGATGGGACTCCTATGAGAACATGAGTGGGATGGAGAAGTGTACACACACAGGGGCCAGTGGAT
 GGCAGCCTGTATGCCAAGGTGAGGAAGAAGAGTGCCTCAGATACTGGCATCCCTAGTAGCCCCAGGGCA
 TGCCAGCCACTAGCAGTCCAGACCAGGAGACCACCCCTGTGAGTCCAGCAGCGACTCAGGTCATTCTAC
 TGCCCTCCGCGAGGACTGATAAGACAGAAGAGCGCCTGACCCCGAGCACGAAGAGGCTGAGCCCTCAG
 GAGAAGGCTGAGCTGGACCAGCTGCTCAGTGGATTTGGCCTGGAAGACTCTGCAAGCTCCCAAAAGACA
 TGAAGTATGCGCAGCAAGTACAGTGGGACACGGCATGTGGTACCAGCCAGGTCATGTGAATGGAGA
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 GACAGCCTGGGTACTCTTCTCCTCTGAAGGGCCCGAGTCCACCACCTGGTCTTTCACCTGTCTCA



AGAGCAGCCAGAACTCTCTCCTGTCTGATGGCTTTGGCAATGGTGTGCTGAAGATCATAATGGTGTCTCT
 TTCTCCAGACCTGGGCTTGGGTGAGACACCTTTACGATCGGGAGCGGATGTGTGGGGCCGAGAGCAA
 AAACCGCTGCAGCCCCTGTTGAGGAAGCCCTGCACCCACCCAGTGCAGGCCTATGGGCAAAGTAACT
 ATTCCACCCAGACTTGGGTACGTGAGCAGCAGATGGTGGCTGCTCACCAGTACAGCTTGGCCTCAGATGG
 GGAGGCCAGGCTTGGCAGCCGACGACAGTGGACAATACTGGCCTTGCCAGCCCCACCCACATCCCA
 GTTACTCCCAACCGTGGAGCCAGCAGCAGAGTGGCTGTTTCCAGAGAGGCATCAGCAATGGGCCAAATCCCC
 CCGACACACAGCAGCTGTCTCTGGTAAAGCTCTCCAGCCAGATTTCAAGATGACAGAGTCAAGATGG
 AGTCCATCAGGAGCCGAACACTGGCTCCTCCAGGCTCCTACTCTGGATATTGATCAGTCCATTGAG
 CAACTCAACAGGCTGATCCTGGAGCTGGACCCACCTTTGAGCCATCCCCACACACCTGAATGCCCTTG
 GCATCTCAGTGTGTCTGACGGTGTGGAAAGTGGGCTCCGGTGTAGTGGCCGGCTGGACTCTGTGGA
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 GGGCAGTATGACAATGATGCTGCGAGCCAGGTGACCTTCTAAGTGTGGATGGGAAAGGCTGGAGTGG
 ACCCAGCCCCAAGCCTGGGATCATTTTCTCTCCTGAAGACATCAAAGAGACGGTATCACTGCATATCC
 CTCTGACCTCAATATGATCGATGGCAGGATTTCAAACAGCAAGGAGTCACTATGTGTCTGACCCCATCA
 TTCCCTGTGTCTCGGAAACACCATATGTGAAACATCGCCACGCTACCCTCCGTTCCAGTCCACCTGAGC
 CCCAGCTGAGCAGCCAGCCAGTTTGCACAAAGGTCGAGAACCAGAGGCTGCCAGAGATTATTAGCCA
 CACTGTGGGGATGTCAGAGAGCCCCGTTGGACCCAAACCCACCATGCTTCGGGCTGATATGCCTGCAACA
 CCCAACTTTCAGCAGGTGTTGTCATCATCTGCACGGTTTCAAGCAATGGCCCTGGCCAGAGGAGAGAGA
 GCCCGCTTTCGAGAACGCCAGTGGGTAGAGAGCAGCCGAAGTCCACCCTCACCTACTGGGGAACAG
 CCACCCTTCTGAAAGTCCCCTCGGCACTCATGAGTTCTGTAGCTCTGGTAAGGACTCACCAGGGCTGCC
 TGCTTCCAGTCTCAGAGCTCCAGGCTCTTTCCACAGCCATGAGCTGTCCATGTGAGAGCTCAGGGT
 CTTTGCCTCCTGCGGGCAGCCAAACCTTCTTAGGTTTCAACACAGTAACCACAGCAACAAGTGTCTTCC
 ACCTGGTGAGGACGCTGGCACCCTTGGTCAATTTCCATGGAACATCACCAGCTCCTGGAACCCCTCTG
 CTGACGACAGGGGCTGTGACAACGGCTTCTGCCCCACAACCTTCTCAGGGTGTACCCCGAGCCAGCA
 GCCACCACAGTCCAGGCTGCAAGAACGAGCAGTGGCCTGCTGGGAGCCACCCTCCCGGAGAGAA
 GAGAGCGTCGGAGGGTATCGTTCTTTGGGCTCAGTCTCCCCATCATCCAGTGGCTTCTCCAGCCCCAC
 AGTGGCAGCACCATGAGCATCCCCTTCCGAATGTCTTCCAGACTTCTGCAAGCCTTCAGAAGTGGCCT
 CACCTTTGCCAGATAGCCCAAATGATAAAGCTGATTGTGAAATTTGTTCAAGACACTTCGAAGTCTG
 GTACAAGGCAGACATCTCAAGAGAACAAGCCATTGCCATGCTGAAGGACAAAGCCCCGGGTCATTATC
 GTGAGGGACAGTCACTCCTTCCGAGGGCCTACGGCTGGCCATGAAGGTGGCCACACCTCCTCCGTCTG
 TCCTGCACCTCAACAAGAAAGCTGGAGATTTGTCCAATGAACTTGTCCGGCATTCTGATTGAGGTAC
 CCCAAAGGGAGTGCAGGTTGAAAGGGTGTCAAATGAACCATATTTTGGGAGCCTGACGGCTTGGTGTGC
 CAGCATTCCATTACGCCCTTGGCTTTACCTGCAAGCTGCTCATTCCGGAGAGAGATCCACTGGAGGAAA
 TAGCAGAAAACCTCTCCCAGACAGCAGCCAACTCTGCAGCCGAGCTGCTGAAGCAGGGAGCAGCCTGCAA
 TGTTTGGTACTTAAACTCTGTGGAATGGAGTCCCTCACTGGTACCAGGCAGTCCAGAAGGCCCTGAGT
 ATGACCTTGGTTCAAGAACCTCCTCCAGTGTCTACAGTGGTACACTTCAAGGTGTGAGCCAGGGCATCA
 CCCTGACTGACAATCAGAGAAAGCTCTTCTCCGAGGCATTACCCGGTCCAGTGTGATTTTCTGTGC
 TTTGGATCCACAAGACAGGAAGTGGATCAAAGATGGCCCTTCTTCTAAAGTCTTTGGATTGTGGCCCGG
 AAACAGGGCAGTGTACAGACAACGATGCCACCTGTTTGCAGAGCATGACCCCGAGCAACCTGCCAGTG
 CCATTGTCAACTTTGTGTCAAAGTTCATGATTGGCTCCCTAAGAAGATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001083587
 Insert Size: 4323 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_001083587.1</u> , <u>NP_001077056.1</u>
RefSeq Size:	7483 bp
RefSeq ORF:	4323 bp
Locus ID:	319939
UniProt ID:	<u>Q5SSZ5</u>
Cytogenetics:	11 A1
Gene Summary:	May play a role in actin remodeling. Involved in the dissociation of the integrin-tensin-actin complex. EGF activates TNS4 and down-regulates TNS3 which results in capping the tail of ITGB1. Seems to be involved in mammary cell migration (By similarity). May be involved in cell migration and bone development.[UniProtKB/Swiss-Prot Function]