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Product datasheet for SC101409

TNS1 (AK057328) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNS1 (AK057328) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNS1
Synonyms:	MST091; MST122; MST127; MSTP091; MSTP122; MSTP127; MXRA6; PPP1R155; TNS
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for AK057328, the custom clone sequence may differ by one or more nucleotides

TTTCAAGGCGAATGATGGGGAAGGGTTCCCCAGTCCCCACAGTGGCCCCACCTCTGGGCCCTGCACCAGA
GCCCTTCTGTGTCACGGCGGGCTGTGCACCCATGCACACACCTACGCACACACAACACTCCGCACTGCAG
TATATTCTTGCCAAAGATTTCCTTTAAAAGCAAGCACTTTTACTAATTATTATTTTGTAAATGTTTATCT
TCTTCTGTCTTCTCCCTCCCTGAATCTATTTTACTGTTGTTTATTGTTGAATCTGTGTGTCAGCCAGGAG
AGCGCTGTCTGGCCTTGAACATGGGCTGGGATGGGAAAGGGTCTGGGAGAAGATGGGCAACAAAGAGCCA
GGGAGTCATGGACATCGCAGCGACGCAGACCCCAGCAGGTTCAGTCCCGTGCTGCCACCAGCTGTCCAGC
TGGGTGTCTGGAGGGAAGAGGGCAGAGGAGGGTCATGTCCCTTCAGCTGGGGGAGGGGCCCAGTGAGCTC
CACGTGGCTTTTTCCCAAAGGGAGCAAGAGGGAAGGATTGGGCGAGAAAACAATGGAGAGGGGACCTGCG
AAGGAAAACAGGGAGGAAGTGAGCGGTTTGATCAGCCTGCTATCACGGTGTTCTGGCTCTCTTATTTAGC
CAGGCGCTTAAGGGACAGATACATCACATCCTAAGTTTGGGAAAGGCCTTTGACCCATGTCATCTGAGCG
TCTCCTCCAGTAGCTCTGAAAGCTGTGGACACCAATGGCCAGGATTCCTTCTCCCCTGGTTTTTGAGGAT
CCCTGGGTCTTCTGAGACTGGCCAGGAGAGGGATGGTGGGGCCAGTGGTTGTGTGAAAGCAGGAGGGGCA
GCCCTCCTGGACAAGTGTGATCCCCCTATAAACGGCTCTCAGGAGGTTAGTGAGTAGGAGATTCTGCCTT
GTTCTGATGAGCCTGTGCAGGGGCTCCAGGGGAGCATGCTGTCCAGGGGGCACAGAAGGGTGGTGAGTGT
GATCAAATCTAGTCTCACTCCCACTTTTTAGTCTCACTCCTACTTTTGTCCACCACCCCTGCCTCCTGGA
TCTTCTCCCACTTTTTTTTTCAGCTTTAGGACCTGGGGAGATCCTGTGAGTCAAGGCAGACACCCAATCC
TGCCCCCACACTCGGGGTCCTCCAAGAGGTTGGGGGGCAGAGTCCCAGAGCAGCCCTTTACCCCAGGTCC
AGGCCCTGGAATCCTGAGACTCGCGTTTCCTTGGCCAGTGGTAACACAGGACGTGTGTGCGCATGTGCAA
GTGTGGATGTATGTGTGTGCGTGTGTTTTGCTCATTTCTTTAGGGAACTTGGGAGTCGGGGTTGGAGGTG
CTGGGCAATGGAACTTCAAATTCAATGTCGCCCAGCAGTGAGGGGAGTCGGGAGGTGAGGCCTGTAGGCC
AACCAATTGGTGGAGTCTCAGCGATAGCCCAGGTGAGAAGTGGTTCACCCAGAGGGGCAGGGTGGGGGCC
TCGGGCAGATCTGTCCCTCTTGGCACCTCTGTCCTCAAATGTCCAAAATGTTGGAGGACCTCTGTTCATA
TCCCACGCCTGGGCTCTTGCCAGCAGTGGAGTTACTGTAGAGGGATGTCCCAAGCTTGTTTTCCAATCAG
TGTTAAGCTGTTTGAAACTCTCCTGTGTCTGTGTTTTGTTTGTGCGTGTGTGTGAGAGCACATCAGTGTG
TGCAGGCTGTGTTTCCCCATTTCTCTCCTCCCTTCAGACCCATCATTGAGAACAAATGTAAGAAATCCCT
TCCCACCACCCTCCCTGCCTCCCAGGCCCTCTGCGGGGGAAACAAGATCACCCAGCATCCTTCCCCACCC
CAGCTGTGTATTTATATAGATGGAAATATACTTTATATTTTGTATCATCGTGCCTATAGCCGCTGCCACC
GTGTATAAATCCTGGTGTATGCTCCTTATCCTGGACATGAATGTATTGTACACTGACGCGTCCCCACTCC
TGTACAGCTGCTTTGTTTCTTTGCAATGCATTGTATGGCTTTATAAATGATAAAGTTAAAGAAAACTC

5' Read Nucleotide Sequence:

>OriGene 5' read for AK057328 unedited
ATACGACTTACTATAGGCGGCCCGCGATTCGGCACGAGGGGCAGCCCTCCTGGACAAGTG
TGATCCCCCTATAAACGGCTCTCAGGAGAGGGATGGTGGGGCCAGTGGTTGTGTGAAAGC
AGGAGGGGCAGCCCTCCTGGACAAGTGTGATCCCCCTATAAACGGCTCTCAGGAGGTTAG
TGAGTAGGAGATTCTGCCTTGTTCTGATGAGCCTGTGCAGGGGCTCCAGGGGAGCATGCT
GTCCAGGGGGCACAGAAGGGTGGTGAGTGTGATCAAATCTAGTCTCACTCCCACTTTTTA
GTCTCACTCCTACTTTTGTCCACCACCCCTGCCTCCTGGATCTTCTCCCACTTTTTTTTT
CAGCTTTAGGACCTGGGGAGATCCTGTGAGTCAAGGCAGACACCCAATCCTGCCCCCACA
CTCGGGGTCCTCCAAGAGGTTGGGGGGCAGAGTCCCAGAGCAGCCCTTTACCCCAGGTCC
AGGCCCTGGAATCCTGAGACTCGCGTTTCCTTGGCCAGTGGTAACACAGGACGTGTGTGC
GCATGTGCAAGTGTGGATGTATGTGTGTGCGTGTGTTTTGCTCATTTCTTTAGGGAACTT
GNGAGTCGGNGTTGGAGGTGCTGGGCAATGGAACTTCAAATTCAATGTCGCCCAGCAGTG
AGGGGAGTCGGGAGGTGAGGCCTGTANGCCAACCAATTGGTGGAGTCTCAGCGATAGCCC
AGGTGAGAAGTGGTTCACCCAGAGGGCAGGNTGGGGGCCTCGGGCAGATCTGTCCCTCTT
GGCACCTCTGTCCTCNAATGTCCCAAATGTTGGAGGACCTCTNGTCATATCCCACGCCTG
TGCTCTTGCCACANTGGAGTACTGTANAGGGATGTCCCAGCTTGTTTCCATCAGGNTTAA
CTGTTGAACCTCTGGGCCGGGGTTTGGTTGCGCGGGGGGAAACCAATATGGTGCCGGCTG
GTTTCCCTTTCTTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for AK057328 unedited
NAAATACTNTGNNACCGCGGCCGCTTTCTAGNGATCGGTTTTTTTTTTTTTTTTTTCTTT
AACTTTATCATTTATAAAGCCATACAATGCATTGCAAAGAAACAAAGCAGCTGTACAGGA
GTGGGGACGCGTCAGTGTACAATACATTCATGTCCAGGATAAGGAGCATACACCAGGATT
TATACACGGTGGCAGCGGCTATAGGCACGATGATACAAAATATAAAGTATATTTCCATCT
ATATAAATACACAGCTGGGGTGGGGAAGGATGCTGGGTGATCTTGTTTCCCCCGCAGAGG
GCCTGGGAGGCAGGGAGGGTGGTGGGAAGGGATTTCTTACATTTGTTCTCAATGATGGGT
CTGAAGGGAGGAGAGAAATGGGGAAACACAGCCTGCACACACTGATGTGCTCTCACACAC
ACGCACAAACAAAACACAGACACAGGAGAGTTTCAAACAGCTTAACACTGATTGGAAAAC
AAGCTTGGGACATCCCTCTACAGTAACTCCACTGCTGGCAAGAGCCCAGGCGTGGGATAT
GAACAGAGGTCCTCCAACATTTTGGACATTTGAGGACAGAGGTGCCAAGAGGGACAGATC
TGCCCGAGGCCCCCACCCTGCCCCTCTGGGTGAACCACTTCTCACCTGGGCTATCGCTGA
GACTCCACCAATTGGTTGGCCTACAGGCCTCACCTCCCGACTCCCCTCACTGCTGGGCGA
CATTGAATTTGAAGTTCCATTGGCCAGCACCTNCAACCCCGACTCCAAGTTCCCTAAAGA
AATGAGNCAAACACACGCACACACATACATCCACACTTGCACATGCGCACACACGTCCTG
TGTTACCACTGGCCAAGGAAACGCGAGTCTCAGGATTCANGGGCCTGGACCTGGGTAAAG
GNNCTGCTCTGGACTCTGCCCCCCACCTT

Restriction Sites: NotI-NotI

ACCN: AK057328

Insert Size: 1400 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:	AK057328.1
RefSeq Size:	2028 bp
RefSeq ORF:	2028 bp
Locus ID:	7145
Cytogenetics:	2q35
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene localizes to focal adhesions, regions of the plasma membrane where the cell attaches to the extracellular matrix. This protein crosslinks actin filaments and contains a Src homology 2 (SH2) domain, which is often found in molecules involved in signal transduction. This protein is a substrate of calpain II. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]