

Product datasheet for **RN208783**

Tns4 (NM_001024881) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tns4 (NM_001024881) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tns4
Synonyms:	RGD1310402
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208783 representing NM_001024881
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAGCTCCCTGCTGACTGGAGGTCATGTGGTCAGCTTGACTCCCCATGAGGAATCCAGGATGGCCC
 TGCACCCAACCCCTAGCCATGACCTCCCAGCCCTGTGTCCTTACTACACCACAGAGAGCTGGGGAACCCA
 GCCTCTCATGGACCCCACTCTGCAAAGGCAGCTCCAACAGGCTCCAGCAGGCCAGCAAGCTGAGGCC
 AGAGCTCAGTGTCTCTTCAATGCCCTGGGAGCAGGCCTCAGGGGCTCGCAGGATCTGGACTCTTGCA
 TTGACTTCTCACTGGAGGCCCTCAACAAGATGATCCTGGAGCTAGACCCACCTTCCAGTTGCTTCCCTC
 TGGGATTGCTGGTCCCAGGCTGAGCCTACCAACAGTGTGCTTCAAGGACCAAGAAGGAGGAACCTGAC
 GCCTTAGATATAAAGTACATCGAAGTGACCTCCACCAGATCAAGATGCCTTGACAGTCCCCAACGCTGCT
 CCAGCCATGTGTACCCACCATTGGCTCCCACGTAGTGGCGCCTGTTCTCTCCAGGACATCCC
 CCGAGAGACCCGAAGCAGCAGCAACGAGAGCCTCATCTTCTGGAACCAAGGCAGGGGTTCTCTCCC
 CACACCCCTTCTCTCAGCAATTCTATCCCTTGCCGAGAAAGCAGGGCCTCAGGCTCCCCACTGGCAA
 CTCTCCAGGTTGGGAGAAAGGGCTAAGGGCCCCACAGTGGGGCAGCAGGGTCTCTACGCTGTACGCCAG
 CCCTGTATCGGACATCAGCTATGTGTTGGAAGCAATCAGTCCCTCCCGACTCAAGCCTCTCCAGCTAT
 CCGCCATCTTCTAGATCCTTGGGAAGTCCAGCCAGCTCTTCTCCAGTCTCCACAGCCTGGACCGAGGCT
 CCCAGTGTGTGAGATCGAGTGTGCCAGGTTCTAGTAACCCCATAGTGGGCATGGGCCAGCCCCAAGC
 AGTCCCGTCTACACCAGTGGCTAAGGAGCAGGCCAGTGTGCCCCCATCTGTCAACCACTCCATGGCG
 GACATACCTATAGTGTCTATTACGGGAACCCAGAACCACAGAGTCCCCAGCCAGCAGACCAAGAT
 ACCAGGACTCTGTGAGTCTAGGGCTACATCTCCAGCCACCTCTGTCAAGCCACCAAGAGCCACAGCAA
 GACTCTGCCGGACGTTCCCTCTCACATCTCCAGCCACCTCTGTCAAGCCACCAAGAGCCACAGCAA
 CTGCCGGACGTTCTCTACGGCGTCTCCAGAAAGTCTGCAAGGACATGCAGCCACCATGAAGTTCTG
 TGATGGACACATCGAAGTACTGGCTTAAGCCAAGCATCACCCGAGAGCAAGCAATCAATCTGCTGAGGAC
 GGAGAAGCCGGGCACCTTGTGTCATCAGGGACAGTCTCTCTACCGAGGCTCCTTTGGCCTGGCCCTGAAG
 GTCCAGGAGACTCCGGCATCTGCTCAAACCGACCAGGTGAGGACAGCACTGACTTTATCCGTCACTTCC
 TGGTTGAGTCTTCCAGCCAAAGGGTGCATCTGAAAGGAGCAGATGAGGAGCCCTACTTTGGGAGCCTCTC
 TGCCCTCGTGTGCCAGCATTCTATCATGGCCCTGGCCCTGCCCTGCAAACCTCACCATCCCACAGAAAGAA
 CTGGGAGGTGCAGAACAGCATCGGACTCCCCACACACGGCCAGACCTTTGCCTGAAGATATCCGCCG
 GTTGCCACACACTGTACCTGACCTCTGTGAGTGTGGAGACCCTGAGCGGAGCCCTGGCTGTGCAGAAAGGC
 TATCTCAGTCATGTTGGAGAGGGACGTCCTCCCCACACCCACTGTCGTCCACTTCAAAGTACCCGAGCAG
 GGCATCACTCTGACAGATGTCAAAGGAAGGTGTTCTTCCGACGGCACTACCCCTCATCGCCCTCCGCT
 TCTGTGGAATGGACCCCGAGCAACGGAAGTGGCAGAAATACTGCAAGCCTTCAAGGATCTTTGGGTTTGT
 GGCCAAAAGCCAGACAGAACCACAGGAGAACGCATGCCACCTCTTCGCCGAGTATGATGCAGCCAGCCG
 GCTTCCAGGTCATCAGCCTGGTACTGCTCTGCTTAAGGACACAGAAAGGGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024881
Insert Size: 2157 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_001024881.1</u> , <u>NP_001020052.1</u>
RefSeq Size:	2498 bp
RefSeq ORF:	2157 bp
Locus ID:	303517
UniProt ID:	<u>Q4V8I3</u>
Cytogenetics:	10q31
Gene Summary:	May be involved in cell migration, cartilage development and in linking signal transduction pathways to the cytoskeleton May promote apoptosis, via its cleavage by caspase-3. Cytoplasm, cytoskeleton.[UniProtKB/Swiss-Prot Function]