

## Product datasheet for **RR217709**

### Tns1 (NM\_001191810) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tns1 (NM_001191810) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tns1
Synonyms:	Tns
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217709 representing NM_001191810 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGCTGCACCGTGAGCCTGGTGTGCTGCGAGGCGCTCGAGCCTCTGCCTTCTTGTGGCCCGAGCCCC  
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GCCCATCGCCACGGAGAGTGTGCCAAGAATGTAGTAGATGTGGGGGAAGGAGACTGCCGGGGTGGAAAT  
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ACTTCAATGGGCATCGTGAGGATGGCATGGAAGAAGTGGTGGGACACACCCAAGGGCCGCTGGATGGGAG  
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**Protein Sequence:**

>RR217709 representing NM\_001191810  
 Red=Cloning site Green=Tags(s)

MGCTVSLVCCAELEPLPSCGPQPPGTPPGPARPERSEPGGAASIQRRRLLQPEDLEAPKTHHFVKVAFK  
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 PSLGRHLGGSGSVVPGSPSLDRHVAYGGYSTPEDRRPTLSRQSSASGYQAPSTPSFPVSPAYYPGLSSPA  
 TSPSPDSAAFRRQGSPTPALPEKRRMSVGDRAAGSLPNYATINGKVSSSPVANGMASPSGSSTVSFSHTLPD  
 FSKYSMPDNPETRAKVKFVQDTSKYWYKPEISREQAIALLKDQEPGAFIIRDSHSFRGAYGLAMKVSSP  
 PPTITQQGKGDMLTHELVRHFLIETGPRGVKLGCPNEPNFGSLSALVYQHSVIPLALPCKLVIPSRDPT  
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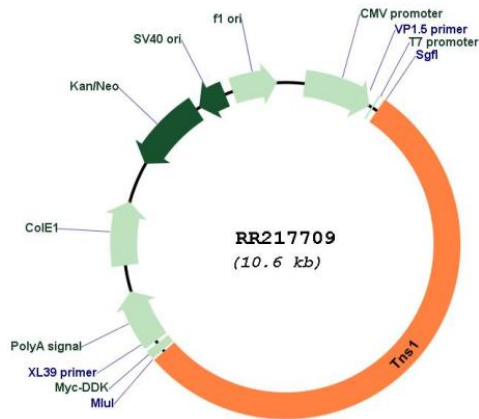
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001191810  
 ORF Size: 5727 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191810.1</a> , <a href="#">NP_001178739.1</a>
<b>RefSeq Size:</b>	6126 bp
<b>RefSeq ORF:</b>	5730 bp
<b>Locus ID:</b>	301509
<b>Cytogenetics:</b>	9q33
<b>MW:</b>	203.9 kDa
<b>Gene Summary:</b>	mouse homolog is a focal adhesion phosphoprotein that binds to F-actin; knockout mice develop progressive kidney degeneration [RGD, Feb 2006]