

## Product datasheet for RN209270

### Tnik (NM\_001106422) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnik (NM\_001106422) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tnik  
**Synonyms:** RGD1561817  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN209270 representing NM\_001106422  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGCGAGCGACTCCCCAGCTCGCAGCCTGGATGAAATCGATCTCTCCGCCCTGAGGGACCCTGCAGGGA  
 TCTTTGAGTTGGTGAACCTGTGCGAAAATGGTACATATGGCCAAGTTTATAAGGGTCGTCATGTCAAAC  
 AGGCCAGCTTGTGCCATTAAGTTATGGACGTACAGGGGATGAAGAGGAAGAAATCAAACAAGAAAT  
 AACATGTTGAAGAAATTTCTCATCACAGGAACATTGCTACATACTACGGTGCTTTTATCAAAAAGAACC  
 CTCCGGGCATGGATGACCAACTATGGTTGGTTATGGAGTTCTGTGGTGGCTCTGTCACTGACCTGAT  
 CAAGAACACGAAAGGCAACACATTGAAAGAGGAGTGGATTGCATACATCTGCAGGGAGATCTTACGGGGC  
 CTGAGTCACCTGCACCAGCACAAAGTATTATCGGGATATTAAGGACAGAATGTCTTGCTGACTGAAA  
 ATGCAGAAAGTTAAGCTAGTGGATTTTGGCGTGAGTGCCAGCTTGACCGAACAGTGGGCAGGAGGAACAC  
 GTTCATCGGGACCCCTACTGGATGGCACCCGAAGTATTGCCTGTGATGAGAACCAGATGCCACGTAT  
 GATTTCAAGAGTGACTTGTGGTCTTTGGGAATCACCGCATTGAGATGGCAGAAGGTGCCCCCCCTCT  
 GTGATATGCATCCATGAGAGCGCTTCTCTCATCCACGGAACCCCGCACCTCGCCTCAAGTCTAAGAA  
 GTGGTCAAAAAAATCCAGTCATTTATCGAGAGCTGCTTGGTAAAGAATCACGGCCAGCGCCAGCCACA  
 GAACAGTTGATGAAGCACCCATTATACAGAGACCAGCCTAATGAGAGGCAGGTCCGCATCCAGCTGAAGG  
 ACCACATTGATCGAACAAAGAAGAAGCGAGGAGAAAAAGATGAGACTGAGTATGAATACAGTGAAGTGA  
 GGAAGAAGAGGAAGAGAACGACTCTGGGAACCCAGCTCCATTCTGAACCTACCAGGAGAGTCAACACTG  
 CGACGGGACTTCTGAGACTGCAGCTGGCAACAAGGAGCGCTCAGAGGCCCTGCGGCGCAACAGCTGG  
 AGCAGCAGCAGAGGGAGAATGAAGAACATAAGAGGCGACTACTGGCTGAGCGCCAGAAGCGCATCGAGGA  
 GCAGAAGGAGCAGAGGCGGAGGCTGGAGGAGCAACAAGGCGAGAAAAGGAGCTTCGGAAGCAGCAGGAG  
 CGGAACAGCGCCGGCACTATGAGGAGCAGATGCGCCGGAGGAGGAGAGGAGGCGCAGAACACGAAC  
 AGGAGTACATCAGGCGACAGCTAGAAGAAGAGCAAAGGCAGTTAGAAATCTTACAGCAGCAGCTACTGCA  
 TGAGCAAGCTCTACTTCTGGAATATAAGCGCAAACAACCTGGAAGAACAGAGACAAGCAGAAAAGACTGCAG  
 CGGCAGCTAAAGCAAGAGCGGGACTATCTGTTTCCCTCCAGCACCAGCGGCAGGAGCAGAGGCCCTGG



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AGAAGAAGCCATTGTACCATTACAAGGAGGGCATGAGTCCTAGTGAGAAGCCTGCCTGGGCCAAGGAGGT  
 GGAAGAACGCTCAAGACTCAACCGACAGAGTTCACCTGCCATGCCTCACAAGGTTGCCAACAGGATCTCA  
 GACCCCAACCTACCCCAAGATCAGAGTCTTCAGCATTAGTGGGGTTCAGCCTGCTCGGACACCCCAA  
 TGCTCAGACCTGTTGATCCCCAGATCCCGCAGCTGGTAGCCGTCAAATCCCAGGGACCTGCCTTGACCGC  
 CTCCCAGTCAGTGCATGAGCAACCCACAAAAGGCTGTCTGGGTCCAGGAGGCTCTGAATGTGACCTCT  
 CACCGGGTCGAGATGCCACGCCAGAACTCGGATCCCACCTCGGAAAACCCCTCTCTCCCACGCGCATTG  
 AGAAGTTTGACCGAAGCTCTTGTTACGACAGGAAGAAGACATTCCACCAAGGTGCCTCAAAGAACAAC  
 TTCTATATCCCCAGCACTAGCCAGAAAGAATTCCCTGGGAATGGCAGTGCCTTAGGCCCAAGACTCGGA  
 TCTCAGCCTATCAGAGCAAGCAACCCTGATCTCCGCAGGACAGAGCCAGTCTGGAGAGCTCCTTGACGC  
 GGACCAGCAGTGGCAGTCTTCCAGCTCCAGCACTCCCAGCTCCCAGCCAGCTCTCAAGGAGGCTCTCA  
 GCCTGGGTCAAGCAGGATCTAGTGAACGAACAGAGTTCGGGCCAACAGTAAGTCAGAAGGATCGCCC  
 GTGCTCCCCATGAGCCTTCCAAGGTGAAACCAGAAGAATCCAGAGACATCCCACGGCCAGCCGGCCAG  
 CTGATCTGACGGCTTAGCCAAAGAATTAAGAGAACTCCGGATTGAAGAAAACAAACCGCCACTGAAGAA  
 AGTGACTGATTACTTCTCTCCAGCGAGGAGTCAGAGAGCAGTGAGGAAGAAGAGGAGGATGGAGAGAGT  
 GAGACGCACGATGGGACAGTGGCTGTGAGTACATACCCAGACTAATACCCACGGGTGCTCCAGGGAAGA  
 ATGAGCAGTACAACATGGGGATGGTCGGCACACATGGGCTGGAGACTTCGCATGCAGATACCTTTGGCGG  
 CAGCATTTCAAGAGAAGGAACCTTGATGATCAGAGAGACGGCTGAAGAGAAGAAGCGATCTGGCCACAGT  
 GACAGTAATGGCTTCGCAGGTACATCAATCTCCAGACCTTGTGCAGCAGAGCCATTGCCAGCTGGGA  
 CTCCCAGTGAAGGCTGGGCCGTGTCTCCACTATTCCCAGGAGATGGACTGGAGTGAATATGGTAT  
 GGAAGCAGCACCAGCCTCTTACCCCTTCGTGGACCCTAGAGTGTACCAGACATCGCCACTGAT  
 GAAGATGAAGAGGATGATGAGTCTCGGCTGTGCCCTGTTTACTAGCGAACTTCTTAGGCAAGAACAGG  
 CCAAATCAATGAAGCGAGGAAGATTCAGTGGTAAATGTGAACCAACGAACATTGCCCTCACAGTGA  
 CACACCGGAAATCAGAAAATACAAGAAACGATTCAATTCGAAACTCTGTGCAGCTCTGTGGGTGTG  
 AACCTTCTGGTGGGACTGAAAATGGCCTGATGCTTTTGGACAGAAGCGCCAAGGCAAAGTCTACAACC  
 TCATCAACCGGAGGCGATTTTCAGCAGATGGACGTGCTAGAAGACTAAACGTTCTTGTACGATATCAGG  
 AAAGAAGAATAAGCTCCGGGTGACTATCTCTCGTGGTTAAGAAACAGAATCCTGCACAATGACCCAGAA  
 GTAGAAAAGAAGCAGGTTGGATCACCGTCGGAGACTTGAAGGCTGTATCCATTACAAAGTTGTTAAAT  
 ATGAAAGGATCAAGTCTTGGTATTGCCTTAAGAATGCAGTAGAGATATACGCATGGGCGCTAAACC  
 TTATCATAAGTTCATGGCATTAAAGTCTTTTGCAGATCTTCAGCATAAGCCTCTGCTCGTTGACCTCACA  
 GTAGAAGAAGTCAAAGGTTAAAGTCAATTTTGGCTCACACACTGGTTCCATGTAATTGATGTTGACT  
 CTGGAACTCCTACGATATCTATATACCATCCCATATTCAGGGAATATCACTCCTCACGCTATCGTCAT  
 CTTGCCTAAAACAGACGGAATGGAGATGCTTGTCTGCTATGAGGATGAGGGGGTGTATGTGAACACCTAT  
 GGCCGGATCACTAAGGATGTGGTCTCCATGGGAGAAAATGCCACATCTGTGGCTACATTCATTCCA  
 ATCAGATAATGGGCTGGGGCGAGAAAGCTATTGAGATCCGGTCAGTGGAACAGGACATTTGGATGGAGT  
 GTTTATGCATAAACGAGCTCAAAGGTTAAAGTTCTATGTGAAAGAAATGATAAGGTAATCCGTTTCAA  
 CTTTGCTTTAGTGTTCATTTAAGAGACCACCAGGTACCTGTGAAACCTTCATTTTCTTTATACTGA  
 CTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001106422

**Insert Size:**

4065 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).

<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>	<u>NM_001106422.1, NP_001099892.1</u>
<b>RefSeq Size:</b>	4523 bp
<b>RefSeq ORF:</b>	4065 bp
<b>Locus ID:</b>	294917
<b>Cytogenetics:</b>	2q24