

## Product datasheet for **RR216617**

### **Txndc5 (NM\_001271330) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Txndc5 (NM\_001271330) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Txndc5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216617 representing NM\_001271330  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCCCGCGCCAGGACGCCTCTTCAGCCGCTGGCCGGGCTACCGGCTCTGCCACGCTCTGTCTGC  
TGCTCGGAGCGCGTAAGGGTGCCCGGCCAGGAGGTGGAGCGGACAGCGGGTTCGAGCAGGACCCGCA  
CGCCAAGCACCTGTATACGGCCGACATGTTACGCACGGGATCCAGAGCGCCGCGCACTTCGTATGTTT  
TTCGCGCCCTGGTGTGGACACTGCCAGCGGCTGCAGCCAACCTGGAATGACCTGGGAGACAAGTATAACA  
GCATGGAAGACGCCAAGGTCTACGTGGCCAAGGTGGACTGCACGGCCAACCTCTGACGTGTGCTCTGCCCA  
GGGAGTTCGAGGATATCCACCCTTAAGTTTTTTAAGCCTGGACAAGAAGCAGTGAAGTACCAGGGTCTCT  
AGAGACTTTGAAACACTGGAAAAGTGGATGCTGCAGACCCTGAACGAGGAGCCAGCTACACCAGAGCCAG  
AGGCAGAACCCAGAGCTCCCGAGCTTAAGCAGGGCTTGTATGAGCTCTCGCCAACAACCTTTGAGCT  
GCATGTTTCTCAAGGCAACCACTTTATCAAGTTCTTCGCTCCATGGTGTGGTCACTGCAAAGCTCTGGCT  
CCAACCTGGGAGCAGCTGGCTCTGGCCCTCGAACATTCTGAAACTGTCAAGATTGGCAAGGTTGACTGCA  
CGCAGCACTACCGGTCTGCTCAGAGCACCAGGTCAAGGCTACCCAACCTCTGCTCTGGTTTCGAGATGG  
CAAGAAGGTGGATCAGTACAAGGAAAGAGGGACTTGGAGTCGCTGAGAGACTATGTGCAGTCCCAGCTG  
CAGGGTTCGGAGGCGGCTCCGGAGACTGTTGAGCCATCAGAGGCCCGGTGCTGGCTGCTGAGCCTCCGG  
GCGACAAGGGCACTGTGCTGGCACTCACTGAGAAGAGCTTTGAGGACACTATTGCACAAGGAATAACCTT  
CGTCAAGTTCTATGCTCCCTGGTGTGGCCACTGCAAGAATCTGGCTCCTACCTGGGAAGAGCTCTCTAAG  
AAGGAATCCCTGGCTTGGCAGACGTCACCATCGCAGAAGTGGACTGCACCGCTGAGCGTGGTGTGTTGCA  
GCAAGTACTCGGTACGAGGCTACCCACATTGCTGCTTTCCGGGGAGGTGAGAAAGTGGGTGAGCACAA  
TGGAGGCAGAGACCTCGACTCTCTACACAGCTTTGTTCTGCGCCAGGCAAAGGATGAACTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216617 representing NM\_001271330  
 Red=Cloning site Green=Tags(s)

MPPRPGRFLFQPLAGLPALATLLLLLGGARKGARAQVEEADSGVEQDPHAKHLYTADMFTHGIQSAAHFVMF  
 FAPWCGHCQRLQPTWDLGDKYNSMEDAKVYVAKVDCTANSDVCSAQGVRGYPTLKFFKPGQEAVKYQGP  
 RDFETLENWMLQTLNEEPATPEPEAEPPRAPELKQGLYELSANFELHVSQGNHF IKFFAPWCGHCKALA  
 PTWEQLALGLEHSETVKIGKVDCTQHYAVCSEHQVRGYPTLLWFRDGGKVDQYKGGKRDLESLRDYVQS  
 QLQGSEAAPETVPESEAPVLAEEPDKGTVLALTEKSFEDTIAQGITFVKFYAPWCGHCKNLAPTWEELSK  
 KEFPGLADVITIAEVDCTAERGVCSKYSVRGYPTLLLFRGGEKVGHEHNGGRDLSLHDFVLRQAKDEL

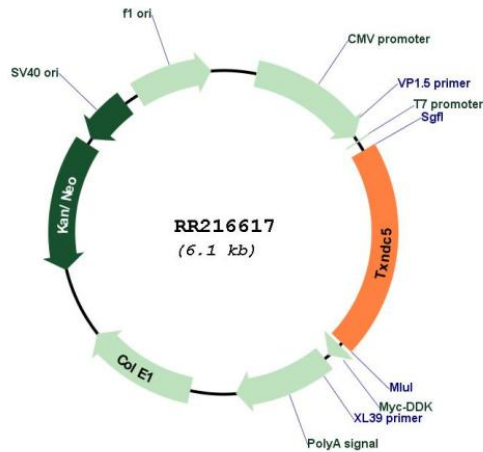
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001271330

<b>ORF Size:</b>	1251 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_001271330.1</a> , <a href="#">NP_001258259.1</a>
<b>RefSeq Size:</b>	2631 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	100362805
<b>Cytogenetics:</b>	17p12
<b>MW:</b>	46.4 kDa