

## Product datasheet for **RR210953**

### **Tpk1 (NM\_001134994) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Tpk1 (NM\_001134994) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Tpk1  
Synonyms: MGC188595  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR210953 representing NM\_001134994  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCATGTCTTTACCCCGCTGGAGCCCTGCTACCCACGGGAGACTTGAAATCTGCCTTGTGGTTC  
TTAATCAGACTTTGGATCCACATTTTCGGCATCTTTGGAGAAAAGCTCTCTTAAGAGCCTGTGCTGATGG  
AGGTGCCAATCACTTATATGACCTCACTGAAGGAGAAAAGAGAAAGCTTTTGCCTGAATTCATCAATGGG  
GACTTTGATTCTATTAGCCTGAAGTCAAAGAGTACTACCAAGAAGGGCTGTGATCTTATTTCCACTC  
CTGACCAAGACCACACTGACTTTACCAAGTGTCTTCAAGTGTCCAAAGGAAGATAGAAGAAAAAGAGCT  
GCAGGTTGACGTGATCGTGACCCTGGGAGGTCTCGGTGGGCGTTTTGACCAGATCATGGCATCTGTGAAT  
ACTTTTTCCAAGCCACTGACATCATTCTGTGCCAATTATAAATCCAAAAGGAATCTCTCATCTACC  
TCCTCCAACCAGGAAAGCACAGACTCCGTGTAGACTGGAATGGAAGGCAGCTGGTGTGGCCTTATTCC  
TGTTGGACAGCCTTGCAACCATGTGACGACAACAGGCCTGAAATGGAACCTCACAAATGATGTGCTCGGC  
TTTGAACCCTGGTCAGTACTTCCAACACCTACGATGGTCCGGCCTTGTCACTGTGAAACTGACCATC  
CGCTCCTCTGGACCATGGCCATCAAGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RR210953 representing NM\_001134994  
Red=Cloning site Green=Tags(s)

MEHVFTPLEPLLPTGDLKFCVLVNLQTLDPHFRHLWRKALLRACADGGANHLVDL TEGERESFLPEFING  
 DFDSIRPEVKYETKKGCDLISTPDQDHTDFTKCLQVLQRKIEEKELQVDVIVTLGGLGGRFDQIMASVN  
 TLFQATDIIPVPIIIIQKESLIYLLQPGKHRLRVDTGMEGSWCGLIPVGQPCNHVTTTGLKWNLTNDVLG  
 FGTLVSTSNTYDGSGLVTVDHPLLWMAIKT

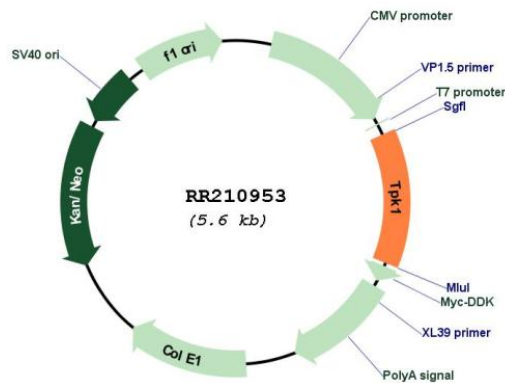
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001134994  
**ORF Size:** 729 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_001134994.1</a> , <a href="#">NP_001128466.1</a>
<b>RefSeq Size:</b>	3331 bp
<b>RefSeq ORF:</b>	732 bp
<b>Locus ID:</b>	680668
<b>Cytogenetics:</b>	4q24
<b>MW:</b>	27.2 kDa