

## Product datasheet for **RR216082**

### **TP53inp2 (NM\_001270947) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TP53inp2 (NM\_001270947) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TP53inp2  
**Synonyms:** Trp53inp2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216082 representing NM\_001270947  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTCCAGCGCTTCACCAGCCTTTTCTTTAGCACCCCGCACCTCCTGAAGACTCCAACGTCCGGGGG  
CCTTTGTCTCTGAGGAGGATGAAGTGGACGGCTGGCTCATCATTGACCTACAGGACAGCTATACAGCTCC  
ACCCGACCCAGGGCCTCTCCTGCTCCTGCAGGCCGCCCCACCCGCGCCTCCTTGATGGACGAGAGC  
TGGTTTGTACCCCTCCCGCCTGTTTTACTGCAGAGGGGCCCGCCTTGGCCTGCCCGCCTCCAGAGCA  
ATCCCCCTGGAGGACCTCCTCATTGAGCATCCCAGCATGTCGGTTTATGTCACCGGCAGCACCATAGTGCT  
GGAGTCTGGGCCACCTTCCCCTCACCTGAAGTGCCTTGCTGATCAGGACCTCAGCGATGGAGAGCTG  
GCGCCTGCCCGCCGGGAGCCTAGGGCCCTGCACCACGCAGCTGCCCTATGCCGGCTCGAGCTGTGCTGC  
TGGAGAAGGCTGGCCAGGTGCGGAGGCTGCAGAGAGCCCGACAGCGCGCCGAGCGCCACACACTGAGTGC  
TAAAGTGTGCAACGGCAGAATCGCGCCCGGAGAGCCGTTTCGCGCCGGCCCAAGCACCAGGGCAGCTTC  
ATTTACCAGCCGTGCCAGCGCCAGTTCAACTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216082 representing NM\_001270947  
 Red=Cloning site Green=Tags(s)

MFQRF<sup>+</sup>TS<sup>+</sup>LF<sup>+</sup>ST<sup>+</sup>PAPPEDSNCPGAFVSEEDVDGWLIIIDLQDSYTAPPDPRASPAPAGRPPPAPSLMDES  
 WFVTPACFTAEGPGLGP<sup>+</sup>ARLQSNPLEDLLIEHPSMSVYVTGSTIVLESGPPSPHPEAALPDQ<sup>+</sup>LDSDGEL  
 APARREPRALHAAAMP<sup>+</sup>PARAVLLEKAGQVRRLLQ<sup>+</sup>RARQRAERHTLSAKVLQRQNRARESR<sup>+</sup>SR<sup>+</sup>RPKHQGSF  
 IYQPC<sup>+</sup>QRQFN<sup>+</sup>Y

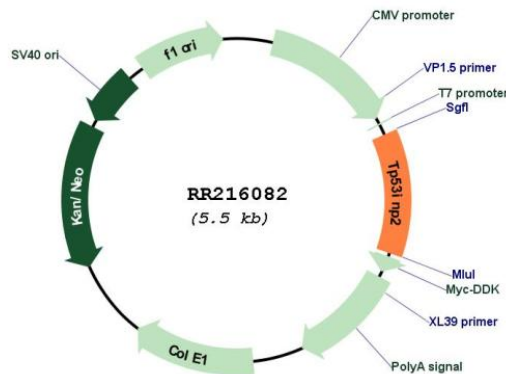
TRTRPLE<sup>+</sup>QKLISEEDLAANDILDYKDDDDK<sup>+</sup>V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001270947

**ORF Size:** 663 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_001270947.1</a> , <a href="#">NP_001257876.1</a>
<b>RefSeq Size:</b>	4035 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	362246
<b>Cytogenetics:</b>	3q41
<b>MW:</b>	24.4 kDa
<b>Gene Summary:</b>	human homolog is expressed in response to a germline translocation associated with familial urothelial carcinoma [RGD, Feb 2006]