

## Product datasheet for **RR200157**

### **Tp63 (NM\_001127339) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tp63 (NM_001127339) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tp63
Synonyms:	Ket; P73l; Tp73l; Trp63
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200157 representing NM\_001127339  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATTTTGAACCTTCACGGTGTGCTACCTACAGTACTGCCCTGACCCTTACATCCAGCGTTTCATAG  
 AAACCCATCTCATTCTCCTGGAAGAAAGTTATTACCGGTCCGCCATGTCGCAGAGCACCCAGACAAG  
 TGAGTTCTCAGCCCAGAGGTGTTCCAGCATATCTGGGATTTTCTGGAACAGCCTATATGCTCAGTACAG  
 CCCATCGACTTGAACCTTGTGGACGAACCATCAGAAAATGGTGAACAAACAAGATTGAGATTAGCATGG  
 ATTGTATCCGCATGCAAGACTCAGACCTCAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCT  
 GAACGGCATGGACCAGCAGATTCAGAACGGCTCCTCATCTACCAGCCCTATAACACAGACCATGCACAG  
 AACAGCGTGACGGCACCCCTCGCCCTATGCACAGCCAGCTCAACCTTCGATGCCCTTTCTCCATCCCCTG  
 CCATTCCCTCAAACACAGATTACCCAGGCCACACAGCTTCGATGTGCTTCCAGCAGTCAAGCACCGC  
 CAAGTCAGCTACCTGGAGTATCCACCGAAGTGAAGAACTCTACTGCCAGATTGCAAAGACCTGCCCC  
 ATCCAGATCAAGGTGATGACCCACCCACAGGGCGCCGTCATTTCGTGCCATGCCTGTCTACAAGAAAG  
 CCGAGCATGTACCGAGGTTGTGAAACGATGTCCTAACCCAGAGCTGAGCCGCGAGTTCAATGAGGGACA  
 GATTGCCCTCCCAGTCTCTGATTGAGTAGAAGGGAACAGCCATGCCAGTATGTAGAAGATCCTATC  
 ACAGGAAGGCAGAGCGTGCTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCTGT  
 ACAATTTTCATGTGCAACAGCAGCTGTGTCGGAGGAATGAACCGCCGTCGAATTTTAAATCATCGTTACTCT  
 GGAAACCAGAGATGGGCAAGTCTGGGCCGACGTTGCTTTGAGGCCGGATCTGCGCTTGCCAGGAAGA  
 GACCGGAAGGCCGATGAAGACAGCATCAGAAAGCAGCAAGTATCAGACAGCGCAAAGAACGGCGATGGTA  
 CGAAGCGCCCTTCCGTCAGAATACCCACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCAGAG  
 TGATGAGCTGCTGTACCTACCAGTGAGAGGCCGTGAGACTTATGAAATGCTGCTCAAGATCAAGGAGTCG  
 CTCGAGCTCATGCAGTATCTCCCTCAGCACAGTACGAGAGCTACAGGCAGCAGCAGCAGCAGCAGCACC  
 AACACCTACTTCAGAAACAGACCTCGATGCAGTCTCAGTCTTACACGGTAAACAGCTCACACCTCTGAA  
 CAAAATGAACAGCATGAACAAGTGCCTGTGTGAGCCAGCTTATCAACCCACAGCAGCGCAACGCCCTG  
 ACTCCCACCACCTGCCTGAGGGCATGGGAGCCAAACATTCCTATGATGGGCACTCACATGCCAATGGCTG  
 GAGACATGAATGGACTCAGCCCCACCAAGCTTCTCTCTCCACTCTCCATGCCCTCCACCTCCCCTG  
 CACCCCCCACCTCCGTACCCAACAGACTGCAGCATTGTCAGGATTTGGCAAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200157 representing NM\_001127339  
 Red=Cloning site Green=Tags(s)

MNFETSRCATLQYCPDPYIQRFIETPSHFSWKESYYRSAMSQSTQTSEFLSPEVFQHIWDFLEQPICSVQ  
 PIDLNFVDEPSENGATNKIEISMDCIRMQDSDLSDPMWPQYTNLGLLNGMDQQIQNGSSSTSPYNTDHAQ  
 NSVTAPSPYAQPSSTFDALSPSPAIPSNTDYPGPHSFDVSFQSSSTAKSATWTYSTELKKLYCQIAKTCP  
 IQIKVMTPPPQGAVIRAMPVYKKAHEHVTEVVKRCPNHEL SREFNEGQIAPPSHLIRVEGNSHAQYVEDPI  
 TGRQSVLVPYEPQVGTFTTFLYNFMCNSSCVGMNRRPILIIIVTLETRDQVLGRRCFEARICACPR  
 DRKADEDSIRKQVSDSAKNGDGTKRPFQNTHTGIQMTSIIKKRRSPDELLYLPVRGRETYEMLLIKES  
 LELMQYLPQHTIETRQQQQQHLLQKQTSMQSSSYGNSSPPLNKMNSMNLPSVSQLINPQQRNAL  
 TPTTMPEGMGANIPMMGTHMPMAGDMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVRIWQV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

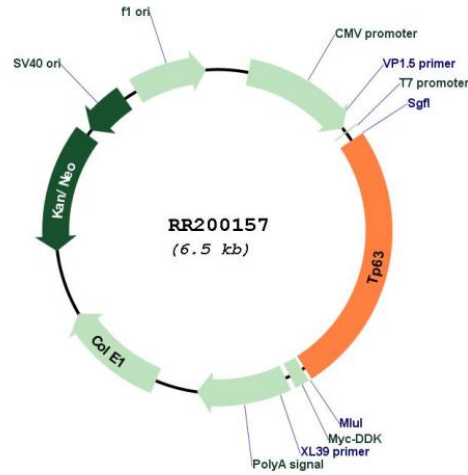
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001127339
<b>ORF Size:</b>	1665 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_001127339.1</a> , <a href="#">NP_001120811.1</a>
<b>RefSeq Size:</b>	4897 bp
<b>RefSeq ORF:</b>	1668 bp
<b>Locus ID:</b>	246334
<b>UniProt ID:</b>	<a href="#">Q9JJP6</a>
<b>Cytogenetics:</b>	11q22
<b>MW:</b>	62.4 kDa
<b>Gene Summary:</b>	This gene encodes tumor protein p63, a member of the p53 family of transcription factors involved in cellular responses to stress and development. The family members include p53, p63, and p73, which have high sequence similarity to one another. This similarity allows p63 and p73 to transactivate p53-responsive genes causing cell cycle arrest and apoptosis. The family members can interact with each other in many ways, including direct and indirect protein interactions. This results in mutual regulation of target gene promoters. Both alternative splicing and the use of alternative promoters result in multiple transcript variants encoding different protein isoforms.[provided by RefSeq, Dec 2009]