

## Product datasheet for **RN200160**

### **Tp63 (NM\_001127343) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tp63 (NM_001127343) Rat Untagged Clone
Tag:	Tag Free
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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**Fully Sequenced ORF:** >RN200160 representing NM\_001127343  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGTACCTGGAAAGCAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA  
 ACGGCATGGACCAGCAGATTAGAACGGCTCCTCATCTACCAGCCCTATAACACAGACCATGCACAGAA  
 CAGCGTGACGGCACCCCTCGCCCTATGCACAGCCAGCTCAACCTTCGATGCCCTTTCTCCATCCCCTGCC  
 ATTCCTCCAACACAGATTACCCAGGCCACACAGCTTCGATGTGTCTTCCAGCAGTCAAGCACCGCCA  
 AGTCAGCTACCTGGACGTATCCACCGAACTGAAGAACTCTACTGCCAGATTGCAAAGACCTGCCCCAT  
 CCAGATCAAGGTGATGACCCACCCACAGGGCGCCGTCATTGTCGCATGCCTGTCTACAAGAAAGCC  
 GAGCATGTACCGAGGTTGTAAACGATGTCCTAACCACGAGCTGAGCCGCGAGTTCAATGAGGGACAGA  
 TTGCCCTCCCAGTCATCTGATTGAGTAGAAGGGAACAGCCATGCCAGTATGTAGAAGATCCTATCAC  
 AGGAAGGCAGAGCGTGTGGTCCCTTATGAGCCACCACAGTTGGCACTGAATTCACAACAGTCTGTAC  
 AATTTTCATGTGCAACAGCAGCTGTGTGCGAGGAATGAACCGCCGTCGAATTTAATCATCGTTACTCTGG  
 AAACCAGAGATGGCAAGTCTGGGCCGACGTTGCTTTGAGGCCCGGATCTGCGCTTGCCAGGAAGAGA  
 CCGGAAGGCCGATGAAGACAGCATCAGAAAGCAGCAAGTATCAGACAGCGCAAAGAACGGCGATGGTACG  
 AAGCGCCCTTTCCGTCAGAATACCCACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGATG  
 ATGAGCTGCTGTACCTACCAGTGAGAGGCCGTGAGACTTATGAAATGCTGCTCAAGATCAAGGAGTCGCT  
 CGAGCTCATGCAGTATCTCCCTCAGCACAGATCGAGAGCTACAGGCAGCAGCAGCAGCAGCACACAA  
 CACCTACTTCAGAAACAGACCTCGATGCAGTCTCAGTCTTCATACGGTAACAGCTCACACCTCTGAACA  
 AAATGAACAGCATGAACAAGCTGCGCTGTGAGCCAGTTATCAACCCACAGCAGCGCAACGCCCTGAC  
 TCCCACCACCATGCCTGAGGGCATGGGAGCCAACATTCCATATGATGGGCACTCACATGCCAATGGCTGGA  
 GACATGAATGGACTCAGCCCCACCAAGCTCTTCTCCTCCACTCTCCATGCCCTCCACCTCCCCTGCA  
 CCCCCACCTCCGTACCCAACAGACTGCAGCATTGTCAGGATTTGGCAAGTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001127343

**Insert Size:** 1386 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).

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM\\_001127343.1](#), [NP\\_001120815.1](#)

RefSeq Size: 4468 bp

RefSeq ORF: 1386 bp

Locus ID: 246334

UniProt ID: [Q9JJP6](#)

Cytogenetics: 11q22

**Gene Summary:** 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]  
Transcript Variant: This variant (5) is an alternate promoter product; it lacks several 5' exons and an internal exon in the 3' region, but has an alternate 5' exon, as compared to variant 1. The resulting isoform (e, also known as deltaNKETbeta) has shorter and different N- and C-termini, as compared to isoform a.