

Product datasheet for **RN200159**

Tp63 (NM_001127342) Rat Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Tp63 (NM_001127342) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tp63 |
| Synonyms: | Ket; P73l; Tp73l; Trp63 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN200159 representing NM_001127342
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTACCTGGAAAGCAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA
 ACGGCATGGACCAGCAGATTAGAACGGCTCCTCATCTACCAGCCCTATAACACAGACCATGCACAGAA
 CAGCGTGACGGCACCCCTCGCCCTATGCACAGCCAGCTCAACCTTCGATGCCCTTCTCCATCCCCTGCC
 ATTCCTCCAACACAGATTACCCAGGCCACACAGCTTCGATGTGTCTTCCAGCAGTCAAGCACCGCCA
 AGTCAGCTACCTGGACGTATCCACCGAACTGAAGAACTCTACTGCCAGATTGCAAAGACCTGCCCCAT
 CCAGATCAAGGTGATGACCCACCCACAGGGCGCCGTCATTGTCGCCATGCCTGTCTACAAGAAAGCC
 GAGCATGTCACCGAGGTTGTAAACGATGTCCTAACACGAGCTGAGCCGCGAGTTCAATGAGGGACAGA
 TTGCCCTCCCAGTCATCTGATTGAGTAGAAGGGAACAGCCATGCCAGTATGTAAGATCCTATCAC
 AGGAAGGCAGAGCGTGTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCCCTGAC
 AATTTTCATGTGCAACAGCAGCTGTGTCGGAGGAATGAACCGCCGTCGAATTTAATCATCGTTACTCTGG
 AAACCAGAGATGGCAAGTCTGGGCGGACGTTGCTTTGAGGCCCGGATCTGCGCTTGCCAGGAAGAGA
 CCGGAAGGCCGATGAAGACAGCATCAGAAAGCAGCAAGTATCAGACAGCGCAAAGAACGGCGATGGTACG
 AAGCGCCCTTCCGTCAGAATACCCACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGATG
 ATGAGCTGCTGTACCTACCAGTGAGAGGCCGTGAGACTTATGAAATGCTGCTCAAGTCAAGGAGTCGCT
 CGAGCTCATGCAGTATCTCCCTCAGCACAGCATCGAGACGTACAGGCAGCAGCAGCAGCAGCACCAA
 CACCTACTTCAGAAACAGACCTCGATGCAGTCTCAGTCTTCATACGGTAACAGCTCACACCTCTGAACA
 AAATGAACAGCATGAACAAGCTGCCGTCTGTGAGCCAGTTATCAACCCACAGCAGCGCAACGCCCTGAC
 TCCCACCACCATGCCTGAGGGCATGGGAGCCAACATTCCTATGATGGGCACTCACATGCCAATGGCTGGA
 GACATGAATGGACTCAGCCCCACCAAGCTCTTCTCCTCCACTCTCCATGCCCTCCACCTCCCCTGCA
 CCCCCACCTCCGTACCCAACAGACTGCAGCATTGTCAGTTTCTTAGCAAGGTTGGGCTGTTTCATCATG
 TCTGGACTATTTACGACCCAGGGGCTGACCACCATCTATCAGATTGAGCATTACTCCATGGATGATTTG
 GCAAGTCTGAAGATCCCTGAGCAGTTCGACATGCCATCTGGAAGGGGATCCTGGACCACAGGCAGCTGC
 ATGACTTCTCCTCACCTCCGCATCTCCTGAGAACCCCAAGTGGTGCCTCTACAGTCAGTGTGGGCTCCAG
 TGAGACCCGTGGAGAACGTGTGATTGATGCCGTGCGCTTACTCTCCGCCAGACCATCTCTTCCCACCC
 CGTGATGAGTGGAAACGATTTCAACTTTGACATGGATTCCCGTCGCAACAAGCAGCAGCGCATCAAAGAGG
 AAGGAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001127342

Insert Size: 1761 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_001127342.1](#), [NP_001120814.1](#)

RefSeq Size: 4562 bp

RefSeq ORF: 1761 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 (4) is an alternate promoter product; it lacks several 5' exons but has an alternate 5' exon, as compared to variant 1. The resulting isoform (d, also known as deltaNKETalpha) has a shorter and different N-terminus, as compared to isoform a.