

Product datasheet for **RR200156**

Tp63 (NM_019221) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tp63 (NM_019221) Rat Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>NM_019221 ORF sequence, RR200156 may differ due to SNPs.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAATTTTGAACCTCACGGTGTGCTACCTACAGTACTGCCCTGACCCTTACATCCAGCGTTTCATA
GAAACCCATCTCATTCTCCTGGAAAGAAAGTTATTACCGTCCGCCATGTCGAGAGCACCCAGACA
AGTGAGTTCCTCAGCCCAGAGGTGTTCCAGCATATCTGGGATTTCTGGAACAGCCTATATGCTCAGTA
CAGCCCATCGACTTGAACCTTGTGGACGAACCATCAGAAAATGGTGCAACAAACAAGATTGAGATTAGC
ATGGATTGTATCCGCATGCAAGACTCAGACCTCAGTGACCCCATGTGGCCACAGTACACGAACCTGGGG
CTCCTGAACGGCATGGACCAGCAGATTGAGAACGGCTCCTCATCTACCAGCCCCTATAACACAGACCAT
GCACAGAACAGCGTGACGGCACCCCTCGCCCTATGCACAGCCCAGCTCAACCTTCGATGCCCTTCTCCA
TCCCCTGCCATTCCCTCCAACACAGATTACCCAGGCCACACAGCTTCGATGTGCTTCCAGCAGTCA
AGCACCGCAAGTCAGCTACCTGGACGTATTCCACCGAACTGAAGAACTCTACTGCCAGATTGCAAG
ACCTGCCCATCCAGATCAAGGTGATGACCCACCCACAGGGCGCGTCATTCTGTCATGCCCTGTC
TACAAGAAAGCCGAGCATGTACCGAGGTTGTGAAACGATGTCTTAACCAGGAGCTGAGCCGCGAGTTC
AATGAGGGACAGATTGCCCTCCAGTCATCTGATTTCGAGTAGAAGGGAACGCCATGCCAGTATGTA
GAAGATCCTATACAGGAAGGCAGAGCGTGCTGGTCCCTTATGAGCCACCACAGTTGGCACTGAATTC
ACAACAGTCTGTACAATTTTCAATGTGCAACAGCAGCTGTGTCGGAGGAATGAACCGCCGTCGAATTTA
ATCATCGTTACTCTGAAACAGAGATGGGCAAGTCTGGGCCGACGTTGCTTTGAGGCCGGATCTGC
GCTTGGCCAGGAAGAGACCGGAAGGCCGATGAAGACAGCATCAGAAAGCAGCAAGTATCAGACAGCGCA
AAGAAGCGGATGGTACGAAGCGCCCTTCCGTCAGAATACCCACGGAATCCAGATGACTCCATCAAG
AAACGGAGATCCCAGATGATGAGCTGCTGTACCTACCAGTGAAGGCGGTGAGACTTATGAAATGCTG
CTCAAGATCAAGGAGTCGCTCGAGCTCATGCAGTATCTCCCTCAGCACAGCATCGAGACGTACAGGCAG
CAGCAGCAGCAGCAGCACCAACCTACTTCAGAAACAGACCTCGATGCAGTCTCAGTCTTCATACGGT
AACAGCTCACACCTCTGAACAAAATGAACAGCATGAACAAGCTGCCGTCTGTGAGCCAGCTTATCAAC
CCACAGCAGCGCAACGCCCTGACTCCCACCACCATGCCTGAGGGCATGGGAGCCAACATTCCTATGATG
GGCACTCACATGCCAATGGCTGGAGACATGAATGGACTCAGCCCCACCAAGCTTCTCCTCCACTC
TCCATGCCCTCCACTCCACTGCACCCCCCACCTCCGTACCCAACAGACTGCAGCATTGTCAGTTTC
TTAGCAAGTTGGGCTGTTTCATCATGTCTGGACTATTTACGACCCAGGGGCTGACCACCATCTACAG
ATTGAGCATTACTCCATGGATGATTTGGCAAGTCTGAAGATCCCTGAGCAGTTCGGACATGCCATCTGG
AAGGGGATCCTGGACCACAGGCAGCTGCATGACTTCTCCTCACCTCCGCATCTCCTGAGAACCCCAAGT
GGTGCCTCTACAGTCAGTGTGGGCTCCAGTGAGACCCGTGGAGAACGTGTGATTGATGCCGTGCGCTTT
ACTCTCCGCCAGACCATCTTTCCACCCCGTATGAGTGAACGATTTCAACTTTGACATGGATTCC
CGTCGCAACAAGCAGCAGCGCATCAAAGAGGAAGGAGAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTATCTCCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Protein Sequence:

>Peptide sequence encoded by RR200156
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MNFETSRCATLQYCPDPYIQRFIETPSHFSWKESYYRSAMSQSTQTSEFLSPEVFQHIWDFLEQPICSV
QPIDLNFVDEPSENGATNKIEISMDCIRMQSDLSLSDPMWPQYTNLGLLNGMDQQIQNGSSSTSPYNTDH
AQNSVTAPSPYAQPSSTFDALSPSPAIPNSNDYGPSPHFDVVSFQQSSTAKSATWTYSTELKKLYCQIAK
TCPIQIKVMTPPPQGAIVIRAMPVYKKAHVTEVVKRCPNHEL SREFNEGQIAPPSHLIRVEGNSHAQYV
EDPITGRQSVLVPEPPQVGTFTVLVYFMCNSSCVGGMNRRPILIIIVTLETRDQVLGRRCFEARIC
ACPGRDRKADEDSIRKQVSDSAKNGDGTKRPFQNTHTGIMQTSIKKRRSPDDELLYLPVRGRETYEML
LKIKESLELMQYLPQHTIETYRQQQQQHLLQKQTSMQSQSSYGNSSPPLNKMNSMNKLPVSVQLIN
PQQRNALTPPTMPEGMANIPMMGTHMPMAGDMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVSF
LARLGCSSCLDYFTTQGLTTIYQIEHYMSDDLASLKIPEQFRHAIWKGILDHRQLHDFSSPHLLRTPS
GASTVSVGSSETRGERVIDAVRFTLRQTSIFPPRDEWDFNFMDMSRRNKQQRRIKEEGE
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019221

ORF Size: 2040 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_019221.4](#)

RefSeq Size: 4968 bp

RefSeq ORF: 2043 bp

Locus ID: 246334

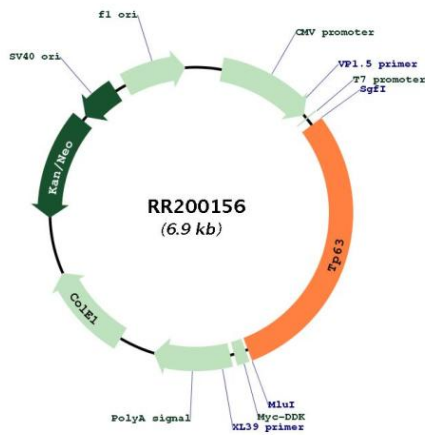
UniProt ID: [Q9JJP6](#)

Cytogenetics: 11q22

MW: 76.8 kDa

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]

Product images:



Circular map for RR200156