

Product datasheet for **RR200159**

Tp63 (NM_001127342) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tp63 (NM_001127342) 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:

>RR200159 representing NM_001127342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTGTACCTGGAAAGCAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA
 ACGGCATGGACCAGCAGATTAGAACGGCTCCTCATCTACCAGCCCTATAACACAGACCATGCACAGAA
 CAGCGTGACGGCACCCCTCGCCCTATGCACAGCCAGCTCAACCTTCGATGCCCTTCTCCATCCCCTGCC
 ATTCCTCCAACACAGATTACCCAGGCCACACAGCTTCGATGTGCTTCCAGCAGTCAAGCACCGCCA
 AGTCAGCTACCTGGACGTATCCACCGAACTGAAGAACTCTACTGCCAGATTGCAAAGACCTGCCCCAT
 CCAGATCAAGGTGATGACCCACCCACAGGGCGCCGTCATTGTCGCATGCCTGTCTACAAGAAAGCC
 GAGCATGTCACCGAGGTTGTAAACGATGTCCTAACCCAGAGCTGAGCCGCGAGTTCAATGAGGGACAGA
 TTGCCCTCCCAGTCATCTGATTGAGTAGAAGGGAACAGCCATGCCAGTATGTAGAAGATCCTATCAC
 AGGAAGGCAGAGCGTGTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCCGTAC
 AATTTTCATGTGCAACAGCAGCTGTGTCGGAGGAATGAACCGCCGTCGAATTTAATCATCGTTACTCTGG
 AAACCAGAGATGGCAAGTCTGGGCCGACGTTGCTTTGAGGCCCGGATCTGCGCTTGCCAGGAAGAGA
 CCGGAAGGCCGATGAAGACAGCATCAGAAAGCAGCAAGTATCAGACAGCGCAAAGAACGGCGATGGTACG
 AAGCGCCCTTCCGTCAGAATACCCACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGATG
 ATGAGCTGCTGTACCTACCAGTGAGAGGGCGTGAGACTTATGAAATGCTGCTCAAGATCAAGGAGTCGCT
 CGAGCTCATGCAGTATCTCCCTCAGCACAGATCGAGAGCTACAGGCAGCAGCAGCAGCAGCACCA
 CACCTACTCAGAAACAGACCTCGATGCAGTCTCAGTCTTCATACGTAACAGCTCACCACCTCTGAACA
 AAATGAACAGCATGAACAAGCTCGCCTGTGTGAGCCAGTTATCAACCCACAGCAGCGCAACGCCCTGAC
 TCCCACCACCATGCCTGAGGGCATGGGAGCCAACATTCCTATGATGGGCACTCACATGCCAATGGCTGGA
 GACATGAATGGACTCAGCCCCACCAAGCTCTTCTCCTCCACTCTCCATGCCCTCCACCTCCCCTGCA
 CCCCCACCTCCGTACCCAACAGACTGCAGCATTGTCAGTTTCTTAGCAAGGTTGGGCTGTTTCATCATG
 TCTGGACTATTTACGACCCAGGGGCTGACCACCATCTATCAGATTGAGCATTACTCCATGGATGATTTG
 GCAAGTCTGAAGATCCCTGAGCAGTTCGACATGCCATCTGGAAGGGGATCCTGGACCACAGGCAGCTGC
 ATGACTTCTCCTCACCTCCGCATCTCCTGAGAACCCCAAGTGGTGCCTCTACAGTCAGTGTGGGCTCCAG
 TGAGACCCGTGGAGAACGTGTGATTGATGCCGTGCGCTTACTCTCCGCCAGACCATCTCTTCCCACCC
 CGTGATGAGTGAACGATTTCAACTTTGACATGGATTCCCGTCGCAACAAGCAGCAGCGCATCAAAGAGG
 AAGGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200159 representing NM_001127342
 Red=Cloning site Green=Tags(s)

MLYLESNAQTQFSEPYTNLGLLNGMDQIQNGSSSTSPYNTDHAQNSVTAPSPYAQPSSTFDALSPSPA
 IPSNTDYPGPHSFDVSFQSSSTAKSATWTYSTELKKLYCQIAKTCPIQIKVMTPPPQGAVIRAMPVYKKA
 EHVTEVVKRCPNHEL SREFNEGQIAPPSHLIRVEGNSHAQYVEDPITGRQSVLVPYEPQVGTFTTVLY
 NFMCNSSCVGGMNRRPILIIIVTLETRDQVLRRCFEARICACPRDRKADEDSIRKQQVSDSAKNGDGT
 KRPFQRNTHGIQMTSIKKRRSPDELLYLPVRGRETYEMLLKIKESLELMQYLPQHTIETIRQQQQQH
 HLLQKQTSMSQSSYGNSSPPLNKMNSMNKLPSVSQLINPQRNALTPPTMPEGMGANIPMMGTHMPMAG
 DMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVSFLARLGCSSCLDYFTTQGLTTIYQIEHYSMDL
 ASLKIPEQFRHAIWKGILDHRQLHDFSSPPHLLRTPSGASTVSVGSSETRGERVIDAVRFTLRQTI SFPP
 RDEWDFNFDMSRRNKQQRKEEGE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

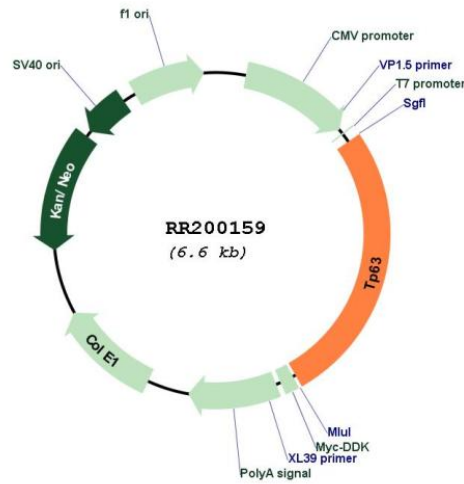
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127342

ORF Size: 1758 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:	<ol style="list-style-type: none">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
MW:	65.7 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]