

Product datasheet for **RR200158**

Tp63 (NM_001127341) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tp63 (NM_001127341) 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:

>RR200158 representing NM_001127341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATTTTGAACCTTCACGGTGTGCTACCTACAGTACTGCCCTGACCCTTACATCCAGCGTTTCATAG
 AAACCCCATCTCATTCTCCTGGAAGAAAGTTATTACCGGTCCGCCATGTCGCAGAGCACCCAGACAAG
 TGAGTTCTCAGCCCAGAGGTGTTCCAGCATATCTGGGATTTTCTGGAACAGCCTATATGCTCAGTACAG
 CCCATCGACTTGAACCTTGTGGACGAACCATCAGAAAATGGTGAACAAACAAGATTGAGATTAGCATGG
 ATTGTATCCGCATGCAAGACTCAGACCTCAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCT
 GAACGGCATGGACCAGCAGATTCAGAACGGCTCCTCATCTACCAGCCCTATAACACAGACCATGCACAG
 AACAGCGTGACGGCACCCCTCGCCCTATGCACAGCCAGCTCAACCTTCGATGCCCTTTCTCCATCCCCTG
 CCATTCCCTCAAACACAGATTACCCAGGCCACACAGCTTCGATGTGTCTTCCAGCAGTCAAGCACCGC
 CAAGTCAGCTACCTGGAGTATTCCACCGAACTGAAGAACTCTACTGCCAGATTGCAAAGACCTGCCCC
 ATCCAGATCAAGGTGATGACCCACCCACAGGGCGCCGTATTTCGTGCCATGCCTGTCTACAAGAAAG
 CCGAGCATGTACCGAGGTTGTGAAACGATGTCCTAACCCAGAGCTGAGCCGCGAGTTCAATGAGGGACA
 GATTGCCCTCCCAGTCTCTGATTGAGTAGAAGGGAACAGCCATGCCAGTATGTAGAAGATCCTATC
 ACAGGAAGGCAGAGCGTGCTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCTGT
 ACAATTTTCATGTGCAACAGCAGCTGTGTGCGAGGAATGAACCGCCGTCCAATTTTAAATCATCGTTACTCT
 GGAAACCAGAGATGGGCAAGTCTGGGCCGACGTTGCTTTGAGGCCCGGATCTGCGCTTGCCAGGAAGA
 GACCGGAAGGCCGATGAAGACAGCATCAGAAAGCAGCAAGTATCAGACAGCGCAAAGAACGGCGATGGTA
 CGAAGCGCCCTTCCGTCAGAATACCCACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCAGG
 TGATGAGCTGCTGTACCTACCAGTGAGAGGCCGTGAGACTTATGAAATGCTGCTCAAGATCAAGGAGTCG
 CTCGAGCTCATGCAATCTCCCTCAGCACAGTACGAGAGCTACAGGCAGCAGCAGCAGCAGCAGCAGCACC
 AACACCTACTTCAGAAACATCTCCTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGTCCCGGAGAGAAGC
 TCCGACACAGTCTGACGTCTTCTTTAGACATTCCAACCCCAAACTCAGTGTACCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200158 representing NM_001127341
 Red=Cloning site Green=Tags(s)

MNFETSRCATLQYCPDPYIQRFIETPSHF SWKESYYRSAMSQSTQTSEFLSPEVFQHIWDFLEQPICSVQ
 PIDLNFVDEPSENGATNKEIEMDCIRMQSDLS DPMWPQYTNL GLLNGMDQQIQNGSSSTSPYNTDHAQ
 NSVTAPSPYAQPSSTFDALSPSPAIPSN TDYPGPHSFDVSFQSSSTAKSATWYSTELKKLYCQIAKTCP
 IQIKVMTPPPQGAVIRAMPVYKKA EHVTEVVKRCPNHEL SREFNEGQIAPPSHL IRVEGN SHAQYVEDPI
 TGRQSVLVPYEPQVGTFTT VL YNFMCNSSCVGMNRRPILII VTL ETRDQVLGRRCFEARICACPR
 DRKAEDSIRKQVSDSAKNGDGT KRPF RQNT HGIQMTS IKKRRSPDDELLYLPVRGRETYEMLLIKES
 LELMQYLPQHTIETYRQQQQHQHLLQKHLLSACFRNELVESRREAPTQSDVFFRHSNPNHNSVYP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

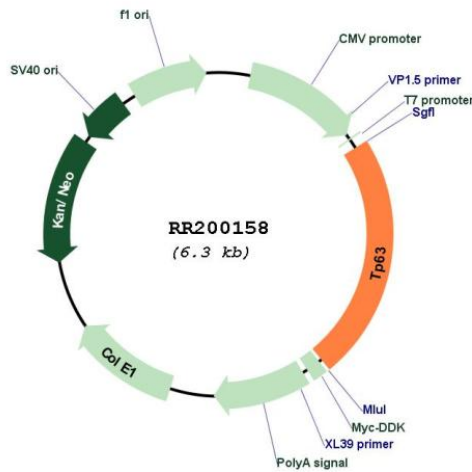
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001127341

ORF Size:

1461 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_001127341.1](#), [NP_001120813.1](#)

RefSeq Size: 1611 bp

RefSeq ORF: 1464 bp

Locus ID: 246334

UniProt ID: [Q9JJP6](#)

Cytogenetics: 11q22

MW: 55.5 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]