

Product datasheet for **RC225779**

p63 (TP63) (NM_001114981) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p63 (TP63) (NM_001114981) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p63
Synonyms:	AIS; B(p51A); B(p51B); EEC3; KET; LMS; NBP; OFC8; p40; p51; p53CP; p63; p73H; p73L; RHS; SHFM4; TP53CP; TP53L; TP73L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC225779 representing NM_001114981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTACCTGGAAAACAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA
 ACAGCATGGACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGTCCCTATAACACAGACCAGCGCAGAA
 CAGCGTCACGGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTCTCCTCCATCACCCGCC
 ATCCCCTCCAACACCGACTACCCAGGCCCGCACAGTTTCGACGTGCTCTCCAGCAGTCGAGCACCGCCA
 AGTCGGCCACCTGGACGTATTCCACTGAACTGAAGAACTCTACTGCCAAATTGCAAAGACATGCCCCAT
 CCAGATCAAGGTGATGACCCACCTCCTCAGGGAGCTGTTATCCGCGCCATGCCTGTCTACAAAAAGCT
 GAGCACGTCACGGAGGTGGTGAAGCGGTGCCCCAACCATGAGCTGAGCCGTAATTCAACGAGGGACAGA
 TTGCCCTCCTAGTCATTTGATTGAGTAGAGGGGAACAGCCATGCCAGTATGTAGAAGATCCCATCAC
 AGGAAGACAGAGTGTGCTGGTACCTTATGAGCCACCCAGTTGGCACTGAATTCACGACAGTCTTGATC
 AATTTTCATGTGTAACAGCAGTTGTGTTGGAGGGATGAACCGCCGTCCTCAATTTTAATCATTGTTACTCTGG
 AAACCAGAGATGGCAAGTCTGGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTGCCAGGAAGAGA
 CAGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGTATGTTGACG
 AAGCGCCCGTTTCGTCAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCCAGATG
 ATGAACTGTTATACTTACCAGTGAGGGGCCGTGAGACTTATGAAATGCTGTTGAAGATCAAAGAGTCCCT
 GGAACCTCATGCAGTACCTTCTCAGCACACAATTGAAACGTACAGGCAACAGCAACAGCAGCAGCACCAG
 CACTTACTTCAGAAACAGACCTCAATACAGTCTCCATCTTCATATGGTAACAGCTCCCCACCTCTGAACA
 AAATGAACAGCATGAACAAGCTGCCTTCTGTGAGCCAGTTATCAACCTCAGCAGCGCAACGCCCTCAC
 TCCTACAACCATTCTGATGGCATGGGAGCCAACATTCCCATGATGGGCACCCACATGCCAATGGCTGGA
 GACATGAATGGACTCAGCCCCACCCAGGCACTCCCTCCCCACTCTCCATGCCATCCACCTCCCCTGCA
 CACCCACCTCCGATCCACAGATTGCAGCATTGTCAGGATCTGGCAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225779 representing NM_001114981
 Red=Cloning site Green=Tags(s)

MLYLENNAQTQFSEPYTNLGLLNSMDQQIQNGSSSTSPYNTDHAQNSVTAPSPYAQPSSTFDALSPSPA
 IPSNTDYPGPHSFDVSFQQSSTAKSATWTYSTELKKLYCQIAKTCPIQIKVMTPPPQGAVIRAMPVYKKA
 EHVTEVVKRCPNHEL SREFNEGQIAPPSHLIRVEGNSHAQYVEDPITGRQSVLVPYEPQVGTFTTVLY
 NFMCNSSCVGGMNRRPILIIIVTLETRDQVLRRCFEARICACPRDRKADEDSIRKQQVSDSTKNGDGT
 KRPFQRNTHGIQMTSIKKRRSPDELLYLPVRGRETYEMLLKIKESLELMQYLPQHTIETRQQQQQHQ
 HLLQKQTSIQSPSSYGNSSPPLNKMNSMNLPSVSQLINPQQRNALTPPTIPDGMGANIPMMGTHMPMAG
 DMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVRIWQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg4743_e02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001114981

ORF Size: 1383 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_001114981.2](#)

RefSeq ORF: 1386 bp

Locus ID: 8626

UniProt ID: [Q9H3D4](#)

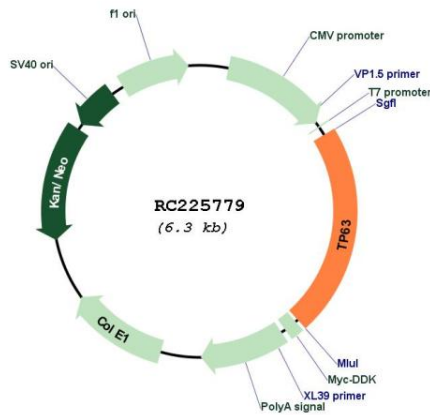
Cytogenetics: 3q28

Protein Families: Druggable Genome, Transcription Factors

MW: 51.2 kDa

Gene Summary: This gene encodes a member of the p53 family of transcription factors. The functional domains of p53 family proteins include an N-terminal transactivation domain, a central DNA-binding domain and an oligomerization domain. Alternative splicing of this gene and the use of alternative promoters results in multiple transcript variants encoding different isoforms that vary in their functional properties. These isoforms function during skin development and maintenance, adult stem/progenitor cell regulation, heart development and premature aging. Some isoforms have been found to protect the germline by eliminating oocytes or testicular germ cells that have suffered DNA damage. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrima-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. [provided by RefSeq, Aug 2016]

Product images:



Circular map for RC225779