

Product datasheet for **RC225607**

p63 (TP63) (NM_001114982) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p63 (TP63) (NM_001114982) 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:

>RC225607 representing NM_001114982
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTACCTGGAAAACAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA
 ACAGCATGGACCAGCAGATTAGAACGGCTCCTCGTCCACCAGTCCCTATAACACAGACCAGCGCAGAA
 CAGCGTCACGGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTCTCCATCACCCGCC
 ATCCCCTCCAACACCGACTACCCAGGCCCGCACAGTTTCGACGTGCTCTCCAGCAGTCGAGCACCCGCA
 AGTCGGCCACCTGGACGTATCCACTGAACTGAAGAACTCTACTGCCAAATTGCAAAGACATGCCCCAT
 CCAGATCAAGGTGATGACCCACCTCCTCAGGGAGCTGTTATCCGCGCCATGCCTGTCTACAAAAAGCT
 GAGCACGTCACGGAGGTGGTGAAGCGGTGCCCCAACCATGAGCTGAGCCGTGAATTAACGAGGGACAGA
 TTGCCCTCCTAGTCATTTGATTGAGTAGAGGGGAACAGCCATGCCAGTATGTAGAAGATCCCATCAC
 AGGAAGACAGAGTGTGCTGGTACCTTATGAGCCACCCAGTTGGCACTGAATTCACGACAGTCTTGATC
 AATTTTCATGTGTAACAGCAGTTGTGTTGGAGGGATGAACCGCCGTCGAATTTAATCATTGTTACTCTGG
 AAACCAGAGATGGCAAGTCTGGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTGCCAGGAAGAGA
 CAGGAAGCGGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGTATGGTACG
 AAGCGCCCGTTTCGTGAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCCAGATG
 ATGAACTGTTATACTTACCAGTGAGGGGCCGTGAGACTTATGAAATGCTGTTGAAGATCAAAGAGTCCCT
 GGAACATGCAGTACCTTCTCAGCACACAATTGAAACGTACAGGCAACAGCAACAGCAGCAGCACCAG
 CACTTACTTCAGAAACATCTCCTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCCGGAGAGAAAAC
 CAAAAAATCTGACGTCTTCTTTAGACATTCGAAGCCCCAAACCGATCAGTGTACCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225607 representing NM_001114982
 Red=Cloning site Green=Tags(s)

MLYLENNAQTQFSEPQYTNLGLLNSMDQIQNGSSSTSPYNTDHAQNSVTAPSPYAQPSSTFDALSPSPA
 IPSNTDYPGPHSFDVSFQQSSTAKSATWTYSTELKLYCQIAKTCPIQIKVMTPPPQGVIRAMPVYKKA
 EHVTEVVKRCPNHEL SREFNEGQIAPPSHLIRVEGNSHAQYVEDPITGRQSVLVPYEPQVGTFTVLVY
 NFMCNSSCVGGMNRRPILIIIVTLETRDQVLRRCFEARICACPRDRKKADEDSIRKQQVSDSTKNGDGT
 KRPFQRNTHGIQMTSIKKRRSPDDELLYLPVRGRETYEMLLKIKESLELMQYLPQHTIETIRQQQQHQ
 HLLQKHLLSACFRNELVEPRRETPKQSDVFFRHSKPPNRSVYP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8056_h01.zip

Restriction Sites:

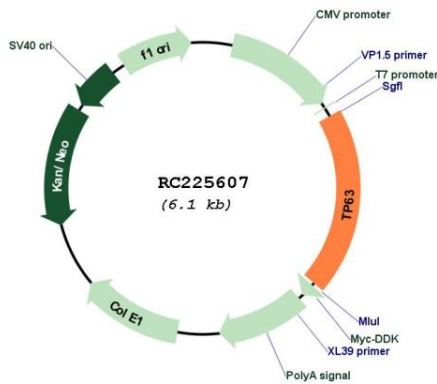
Sgfl-Mlul

Protein Families: Druggable Genome, Transcription Factors

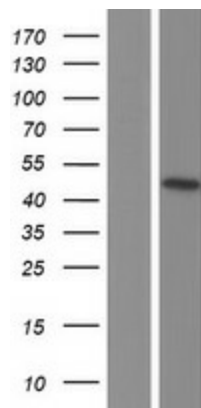
MW: 44.5 kDa

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 (acrodermato-ungual-lacrimal-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. [provided by RefSeq, Aug 2016]

Product images:



Circular map for RC225607



Western blot validation of overexpression lysate (Cat# [LY426518]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225607 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).