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Product datasheet for MR227530

Trp63 (NM_001127259) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trp63 (NM_001127259) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trp63
Synonyms:	AI462811; delta; Ket; p6; p7; p51/p; P51/P63; P63; P73l; TAp; Tp63; Trp5; Trp53rp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR227530 representing NM_001127259
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTTTGAAACTTCACGGTGTGCCACCCTACAGTACTGCCCCGACCCTTACATCCAGCGTTTCATAG
AAACCCCAGCTCATTTCTCGTGGAAAGAAAGTTATTACAGATCTGCCATGTCGCAGAGCACCCAGACAAG
CGAGTTCCTCAGCCCAGAGGTCTTCCAGCATATCTGGGATTTTCTGGAACAGCCTATATGCTCAGTACAG
CCCATCGAGTTGAACTTTGTGGATGAACCTTCCGAAAATGGTGCAACAAACAAGATTGAGATTAGCATGG
ATTGTATCCGCATGCAAGACTCAGACCTCAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCCT
GAACAGCATGGACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGCCCCTACAACACAGACCACGCACAG
AATAGCGTGACGGCGCCCTCGCCCTATGCACAGCCCAGCTCCACCTTTGATGCCCTCTCTCCATCCCCTG
CCATTCCCTCCAACACAGATTACCCGGGCCCACACAGCTTCGATGTGTCCTTCCAGCAGTCAAGCACTGC
CAAGTCAGCCACCTGGACGTATTCCACCGAACTGAAGAAGCTGTACTGCCAGATTGCGAAGACATGCCCC
ATCCAGATCAAGGTGATGACCCCACCCCCACAGGGCGCTGTTATCCGTGCCATGCCTGTCTACAAGAAAG
CTGAGCATGTCACCGAGGTTGTGAAACGATGCCCTAACCATGAGCTGAGCCGTGAGTTCAATGAGGGACA
GATTGCCCCTCCCAGTCATCTGATTCGAGTAGAAGGGAACAGCCATGCCCAGTATGTAGAAGATCCTATC
ACGGGAAGGCAGAGCGTGCTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCCTGT
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GGAAACCAGAGATGGGCAAGTCCTGGGCCGACGGTGCTTTGAGGCCCGGATCTGTGCTTGCCCAGGAAGA
GACCGGAAGGCAGATGAAGACAGCATCAGAAAGCAGCAAGTATCGGACAGCGCAAAGAACGGCGATGGTA
CGAAGCGCCCTTTCCGTCAGAATACACACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGA
TGATGAGCTGCTGTACCTACCAGTGAGAGGTCGTGAGACGTACGAGATGTTGCTGAAGATCAAAGAGTCA
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GAGACATGAATGGACTCAGCCCTACCCAAGCTCTCCCTCCTCCACTCTCCATGCCCTCCACCTCCCACTG
CACCCCACCACCGCCCTACCCCACAGACTGCAGCATTGTCAGTTTCTTAGCAAGGTTGGGCTGCTCATCA
TGCCTGGACTATTTCACGACCCAGGGGCTGACCACCATCTATCAGATTGAGCATTACTCCATGGATGATT
TGGCAAGTCTGAAGATCCCTGAACAGTTCCGACATGCCATCTGGAAGGGCATCCTGGACCACAGGCAGCT
GCACGACTTCTCCTCACCTCCTCATCTCCTGAGGACCCCAAGTGGTGCCTCTACCGTCAGTGTGGGCTCC
AGTGAGACCCGTGGTGAACGTGTGATCGATGCCGTGCGCTTTACCCTCCGCCAGACCATCTCTTTTCCAC
CCCGTGACGAGTGGAATGATTTCAACTTTGACATGGATTCTCGTCGCAACAAGCAGCAGCGTATCAAAGA
GGAAGGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

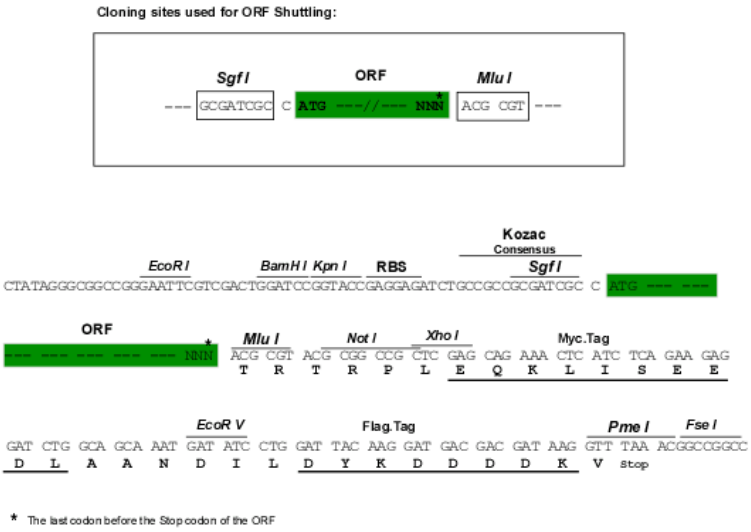
>MR227530 representing NM_001127259
Red=Cloning site Green=Tags(s)

MNFETSRCATLQYCPDPYIQRFIETPAHFSWKESYYRSAMSQSTQTSEFLSPEVFQHIWDFLEQPICSVQ
PIELNFVDEPSENGATNKIEISMDCIRMQDSDLSDPMWPQYTNLGLLNSMDQQIQNGSSSTSPYNTDHAQ
NSVTAPSPYAQPSSTFDALSPSPAIPSNTDYPGPHSFDVSFQQSSTAKSATWTYSTELKKLYCQIAKTCP
IQIKVMTPPPQGAVIRAMPVYKKAEHVTEVVKRCPNHELSREFNEGQIAPPSHLIRVEGNSHAQYVEDPI
TGRQSVLVPYEPPQVGTEFTTVLYNFMCNSSCVGGMNRRPILIIVTLETRDGQVLGRRCFEARICACPGR
DRKADEDSIRKQQVSDSAKNGDGTKRPFRQNTHGIQMTSIKKRRSPDDELLYLPVRGRETYEMLLKIKES
LELMQYLPQHTIETYRQQQQQQHQHLLQKQTSMQSQSSYGNSSPPLNKMNSMNKLPSVSQLINPQQRNAL
TPTTMPEGMGANIPMMGTHMPMAGDMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVSFLARLGCSS
CLDYFTTQGLTTIYQIEHYSMDDLASLKIPEQFRHAIWKGILDHRQLHDFSSPPHLLRTPSGASTVSVGS
SETRGERVIDAVRFTLRQTISFPPRDEWNDFNFDMDSRRNKQQRIKEEGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



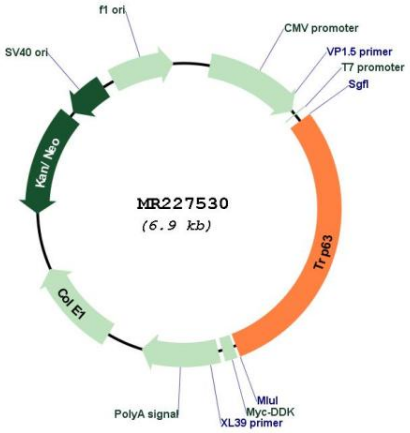
ACCN: NM_001127259

ORF Size: 2040 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001127259.1, NP_001120731.1
RefSeq Size:	5382 bp
RefSeq ORF:	2043 bp
Locus ID:	22061
UniProt ID:	O88898
Cytogenetics:	16 17.37 cM
MW:	77.2 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 tumor proteins 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. Tumor protein p63 -/- mice have several developmental defects which include the lack of limbs and other tissues, such as teeth and mammary glands, which develop as a result of interactions between mesenchyme and epithelium. 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 MR227530