

Product datasheet for **MG227545**

Trp63 (NM_001127262) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trp63 (NM_001127262) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trp63
Synonyms:	AI462811; delta; Ket; p6; p7; p51/p; P51/P63; P63; P73I; TAp; Tp63; Trp5; Trp53rp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227545 representing NM_001127262
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGTACCTGGAAAACAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA
 ACAGCATGGACCAGCAGATTAGAACGGCTCCTCGTCCACCAGCCCTACAACACAGACCACGCACAGAA
 TAGCGTGACGGCGCCCTCGCCCTATGCACAGCCAGCTCCACCTTTGATGCCCTCTCTCCATCCCCTGCC
 ATTCCTCCAACACAGATTACCCGGGCCACACAGCTTCGATGTGTCTTCCAGCAGTCAAGCACTGCCA
 AGTCAGCCACCTGGACGTATTCCACCGAACTGAAGAAGCTGACTGCCAGATTGCGAAGACATGCCCCAT
 CCAGATCAAGGTGATGACCCACCCACAGGGCGCTGTATCCGTGCCATGCCTGTCTACAAGAAAGCT
 GAGCATGCACCGAGGTTGTAAACGATGCCCTAACCATGAGCTGAGCCGTGAGTTCAATGAGGGACAGA
 TTGCCCTCCAGTCATCTGATTGAGTAGAAGGGAACAGCCATGCCAGTATGTAGAAGATCCTATCAC
 GGAAGGCAGAGCGTGTGGTCCCTTATGAGCCACCACAGTTGGCACTGAATTCACAACAGTCCCTGTAC
 AATTTTCATGTGTAACAGCAGCTGCGTCCGAGGAAATGAACAGACGTCCTCAATTTAATCATCGTTACTCTGG
 AAACCAGAGATGGCAAGTCTGGGCCGACGGTCTTTGAGGCCCGGATCTGTGCTTGCCAGGAAGAGA
 CCGGAAGGCAGATGAAGACAGCATCAGAAAGCAGCAAGTATCGGACAGCGCAAAGAACGGCGATGGTACG
 AAGCGCCCTTCCGTCAGAATACACACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGATG
 ATGAGCTGCTGTACCTACCAGTGAGAGGTCGTGAGACGTACGAGATGTTGCTGAAGATCAAAGAGTCACT
 GGAGCTCATGCAGTACCTCCCTCAGCACAGCATCGAAACGTACAGGCAGCAGCAGCAGCAGCAGCAGCAGC
 CACCTACTTCAGAAACAGACCTCGATGCAGTCTCAGTCTTCATATGGCAACAGTTCACCCCTCTGAACA
 AAATGAACAGCATGAACAAGCTGCCTCCGTGAGCCAGCTTATCAACCCACAGCAGCGCAATGCCCTCAC
 TCCCACCACCATGCCTGAGGGCATGGGAGCCAACATTCCTATGATGGGCACTCACATGCCAATGGCTGGA
 GACATGAATGGACTCAGCCCTACCCAAGCTCTCCCTCCACTCTCCATGCCCTCCACCTCCCACTGCA
 CCCCACCACCGCCCTACCCACAGACTGCAGCATTGTCAGGATTTGGCAAGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG227545 representing NM_001127262
 Red=Cloning site Green=Tags(s)

MLYLENNAQTQFSEPQYTNLGLLNSMDQQIQNGSSSTSPYNTDHAQNSVTAPSPYAQPSSTFDALSPSPA
 IPSNTDYPGPHSFDVSFQSSSTAKSATWTYSTELKLYCQIAKTCPIQIKVMTPPPQGA VIRAMPVYKKA
 EHVTEVVKRCPNHEL SREFNEGQIAPPSHLIRVEGNSHAQYVEDPITGRQSVLVPYEPQVGFTEFTVLV
 NFMCNSSCVGGMNRRPILIIIVTLETRDGQVLRRCFEARICACPGDRKADEDSIRKQVSDSAKNGDGT
 KRPFQNTHTGIQMTSIIKRRSPDDELLYLPVGRRETYEMLLKIKESLELMQYLPQHTIETIRQQQQQHQ
 HLLQKQTSMQSSYGNSSPPLNKMNSMNKLPVSQLINPQQRNALPTTMEPGMGANIPMMGTHMPMAG
 DMNGLSPTQALPPPLSMPSTSHCTPPPPYPTDCSIVRIWQV

TRTRPLE – GFP Tag – V

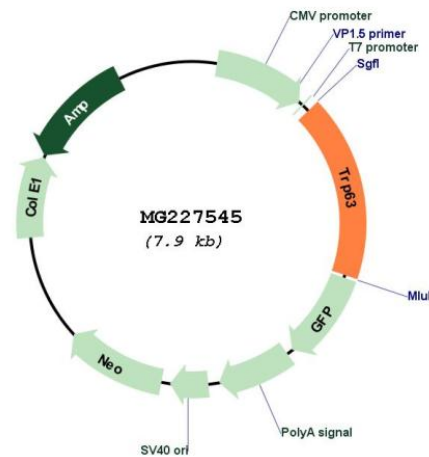
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127262

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:	<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:	<u>NM_001127262.1</u> , <u>NP_001120734.1</u>
RefSeq Size:	4625 bp
RefSeq ORF:	1386 bp
Locus ID:	22061
UniProt ID:	<u>O88898</u>
Cytogenetics:	16 17.37 cM
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 <i>-/-</i> 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]