

## Product datasheet for **MC209588**

### Trp63 (NM\_001127263) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trp63 (NM\_001127263) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Trp63  
**Synonyms:** A1462811; delta; Ket; p6; p7; p51/p; P51/P63; P63; P73l; TAp; Tp63; Trp5; Trp53rp1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209588 representing NM\_001127263  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTTGTACCTGGAAAACAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA  
ACAGCATGGACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGCCCCTACAACACAGACCACGCACAGAA  
TAGCGTGACGGCGCCCTCGCCCTATGCACAGCCAGCTCCACCTTGATGCCCTCTCTCCATCCCCTGCC  
ATTCCCTCCAACACAGATTACCCGGGCCACACAGCTTCGATGTGTCTTCCAGCAGTCAAGCACTGCCA  
AGTCAGCCACCTGGACGTATTCCACCGAACTGAAGAAGCTGTACTGCCAGATTGCGAAGACATGCCCCAT  
CCAGATCAAGGTGATGACCCACCCACAGGGCGCTGTTATCCGTGCCATGCCTGTCTACAAGAAAGCT  
GAGCATGTACCAGGTTGTGAAACGATGCCCTAACCATGAGCTGAGCCGTGAGTTCAATGAGGGACAGA  
TTGCCCTCCCAGTCATCTGATTCGAGTAGAAGGGAACAGCCATGCCAGTATGTAGAAGATCCTATCAC  
GGGAAGGCAGAGCGTGTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCTGTAC  
AATTTTCATGTGTAAACAGCAGCTGCGTCGGAGGAATGAACAGACGTCCAATTTTAAATCATCGTTACTCTGG  
AAACCAGAGATGGGCAAGTCTGGGCCGAGGCTTTGAGGCCGATCTGTGCTTGCCAGGAAGAGA  
CCGGAAGGCAGATGAAGACAGCATCAGAAAGCAGCAAGTATCGGACAGCGCAAAGAACGGCGATGGTACG  
AAGCGCCCTTTCCGTGAGAATACACACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGATG  
ATGAGCTGCTGTACCTACCAGTGAGAGGTCGTGAGACGTACGAGATGTTGCTGAAGATCAAAGAGTCACT  
GGAGCTCATGCAGTACCTCCCTCAGCACAGATCGAAACGTACAGGCAGCAGCAGCAGCAGCAGCACCAG  
CACCTACTTCAGAAACATCTCCTTTAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCCGGGGAGAAGCTC  
CGACACAGTCTGACGTCTCTTTAGACATTCCAACCCCCAAACCACTCCGTGTACCCA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001127263
<b>Insert Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001127263.1</a></u> , <u><a href="#">NP_001120735.1</a></u>
<b>RefSeq Size:</b>	1729 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	22061
<b>Cytogenetics:</b>	16 17.37 cM
<b>Gene Summary:</b>	<p>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 <math>-/-</math> 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]</p> <p>Transcript Variant: This variant (7) is an alternate promoter product; it lacks several 5' and 3' exons, but has alternate 5' and 3' exons, as compared to variant 1. The resulting isoform (g, also known as Dnp63gamma) has shorter and different N- and C-termini, as compared to isoform a.</p>