

## Product datasheet for **MG227551**

### Trp63 (NM\_001127265) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Trp63 (NM_001127265) Mouse Tagged ORF Clone  |
| Tag:                      | TurboGFP   |
| Symbol:                   | Trp63  |
| Synonyms:                 | Al462811; 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)   |
| ORF Nucleotide Sequence:  | >MG227551 representing NM_001127265<br>Red=Cloning site Blue=ORF Green=Tags(s)     |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGTACCTGGAAAACAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA  
ACAGCATGGACCAGCAGATTGAGAACGGCTCCTCGTCCACAGCCCTACAACACAGACCACGCACAGAA  
TAGCGTGACGGCGCCCTCGCCATGCACAGCCCAGCTCCACCTTTGATGCCCTCTCCATCCCCTGCC  
ATCCCTCCAACACAGATTACCCGGGCCACACAGCTTCGATGTGCCTCCAGCAGTCAAGCAGTCCCA  
AGTCAGCCACCTGGACGTATTCCACCGAAGTGAAGAAGCTGTACTGCCAGATTGCGAAGACATGCCCAT  
CCAGATCAAGGTGATGACCCACCCACAGGGCGCTGTTATCCGTGCCATGCCTGTCTACAAGAAAGCT  
GAGCATGTACCCGAGTTGTGAAACGATGCCCTAACCATGAGCTGAGCCGTGAGTTCAATGAGGGACAGA  
TTGCCCTCCCAGTCATCTGATTCGAGTAGAAGGGAACAGCCATGCCAGTATGTAGAAGATCCTATCAC  
GGGAAGGCAGAGCGTGTGTCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCTGTAC  
AATTTATGTGTAAACAGCAGCTGCGTGGGAGGAATGAACAGACGTCCAATTTTAAATCATCGTTACTCTGG  
AAACCAGAGATGGCAAGTCCTGGGCCGACGGTGTCTTGGGCCCGGATCTGTGCTTGGCCAGGAAGAGA  
CCGGAAGGCAGATGAAGACAGCATCAGAAAGCAGCAAGTATCGGACAGCGCAAAGAACGGCGATGCTTTC  
CGTCAGAATACACACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGATGATGAGCTGCTGT  
ACCTACCAGTGAGAGGTGTTGAGACGTACGAGATGTTGCTGAAGATCAAAGAGTCACTGGAGCTCATGCA  
GTACCTCCCTCAGCACACGATCGAACGTACAGGCAGCAGCAGCAGCAGCAGCAGCAGCACCACTACTTCAG  
AAACATCTCCTTTCAGCCTGCTTTCAGGAATGAGCTTGTGGAGCCCCGGGAGAAGCTCCGACACAGTCTG  
ACGTCTCTTTAGACATTCAACCCCCAAACCACTCCGTGTACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227551 representing NM\_001127265  
 Red=Cloning site Green=Tags(s)

MLYLENNAQTQFSEPQYTNLGLLNSMDQQIQNGSSSTSPYNTDHAQNSVTAPSPYAQPSSTFDALSPSPA  
 IPSNTDYPGPHSFDVFSFQQSSTAKSATWTYSTELKKL YCQIAKTCPIQIKVMTPPPQGAVIRAMPVYKKA  
 EHVTEVVKRCPNHEL SREFNEGQIAPPSHLIRVEGNSHAQYVEDPITGRQSVLVPYEPQVGTFTTVLY  
 NFMCNSSCVGGMNRRPILIIIVTLETRDGGVLRRCFEARICACPGDRDKAEDSIRKQQVSDSAKNGDAF  
 RQNTHGIQMTSIIKKRRSPDDELLYLPVRGRETYEMLLKIKE SLELMQYLPQHTIET YRQQQQQHLLQ  
 KHLLSACFRNELVEPRGEAPTQSDVFFRHSNPPNHSVYP

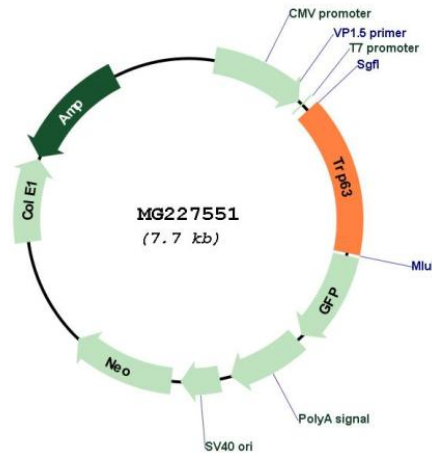
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001127265

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1167 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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>                | <a href="#">NM_001127265.1</a> , <a href="#">NP_001120737.1</a>   |
| <b>RefSeq Size:</b>           | 1717 bp   |
| <b>RefSeq ORF:</b>            | 1170 bp   |
| <b>Locus ID:</b>              | 22061   |
| <b>UniProt ID:</b>            | <a href="#">O88898</a>  |
| <b>Cytogenetics:</b>          | 16 17.37 cM   |
| <b>Gene Summary:</b>          | 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] |