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Product datasheet for MC219285

Trp63 (NM_001127264) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trp63 (NM_001127264) Mouse Untagged Clone
Tag:	Tag Free
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)

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Fully Sequenced ORF:

>MC219285 representing NM_001127264
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGTACCTGGAAAACAATGCCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA
ACAGCATGGACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGCCCCTACAACACAGACCACGCACAGAA
TAGCGTGACGGCGCCCTCGCCCTATGCACAGCCCAGCTCCACCTTTGATGCCCTCTCTCCATCCCCTGCC
ATTCCCTCCAACACAGATTACCCGGGCCCACACAGCTTCGATGTGTCCTTCCAGCAGTCAAGCACTGCCA
AGTCAGCCACCTGGACGTATTCCACCGAACTGAAGAAGCTGTACTGCCAGATTGCGAAGACATGCCCCAT
CCAGATCAAGGTGATGACCCCACCCCCACAGGGCGCTGTTATCCGTGCCATGCCTGTCTACAAGAAAGCT
GAGCATGTCACCGAGGTTGTGAAACGATGCCCTAACCATGAGCTGAGCCGTGAGTTCAATGAGGGACAGA
TTGCCCCTCCCAGTCATCTGATTCGAGTAGAAGGGAACAGCCATGCCCAGTATGTAGAAGATCCTATCAC
GGGAAGGCAGAGCGTGCTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCCTGTAC
AATTTCATGTGTAACAGCAGCTGCGTCGGAGGAATGAACAGACGTCCAATTTTAATCATCGTTACTCTGG
AAACCAGAGATGGGCAAGTCCTGGGCCGACGGTGCTTTGAGGCCCGGATCTGTGCTTGCCCAGGAAGAGA
CCGGAAGGCAGATGAAGACAGCATCAGAAAGCAGCAAGTATCGGACAGCGCAAAGAACGGCGATGCTTTC
CGTCAGAATACACACGGAATCCAGATGACTTCCATCAAGAAACGGAGATCCCCAGATGATGAGCTGCTGT
ACCTACCAGTGAGAGGTCGTGAGACGTACGAGATGTTGCTGAAGATCAAAGAGTCACTGGAGCTCATGCA
GTACCTCCCTCAGCACACGATCGAAACGTACAGGCAGCAGCAGCAGCAGCAGCACCAGCACCTACTTCAG
AAACAGACCTCGATGCAGTCTCAGTCTTCATATGGCAACAGTTCCCCACCTCTGAACAAAATGAACAGCA
TGAACAAGCTGCCTTCCGTGAGCCAGCTTATCAACCCACAGCAGCGCAATGCCCTCACTCCCACCACCAT
GCCTGAGGGCATGGGAGCCAACATTCCTATGATGGGCACTCACATGCCAATGGCTGGAGACATGAATGGA
CTCAGCCCTACCCAAGCTCTCCCTCCTCCACTCTCCATGCCCTCCACCTCCCACTGCACCCCACCACCGC
CCTACCCCACAGACTGCAGCATTGTCAGTTTCTTAGCAAGGTTGGGCTGCTCATCATGCCTGGACTATTT
CACGACCCAGGGGCTGACCACCATCTATCAGATTGAGCATTACTCCATGGATGATTTGGCAAGTCTGAAG
ATCCCTGAACAGTTCCGACATGCCATCTGGAAGGGCATCCTGGACCACAGGCAGCTGCACGACTTCTCCT
CACCTCCTCATCTCCTGAGGACCCCAAGTGGTGCCTCTACCGTCAGTGTGGGCTCCAGTGAGACCCGTGG
TGAACGTGTGATCGATGCCGTGCGCTTTACCCTCCGCCAGACCATCTCTTTTCCACCCCGTGACGAGTGG
AATGATTTCAACTTTGACATGGATTCTCGTCGCAACAAGCAGCAGCGTATCAAAGAGGAAGGAGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001127264

Insert Size: 1749 bp

OTI Disclaimer: 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).

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).

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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_001127264.1, NP_001120736.1
RefSeq Size:	4707 bp
RefSeq ORF:	1749 bp
Locus ID:	22061
UniProt ID:	O88898
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 -/- 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] Transcript Variant: This variant (5) is an alternate promoter product; it lacks several 5' exons and an internal 12 nt segment, but has an alternate 5' exon, as compared to variant 1. The resulting isoform (e) has a shorter and different N-terminus, and lacks internal 4 aa, as compared to isoform a.

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