

Product datasheet for MC209587

Trp63 (NM_001127265) Mouse Untagged Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Trp63 (NM_001127265) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trp63
Synonyms:	Al462811; 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)
Fully Sequenced ORF:	>MC209587 representing NM_001127265 Red=Cloning site Blue=ORF Orange=Stop codon
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTTGTACCTGGAAAACAATGCCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGGGCTCCTGA ACAGCATGGACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGCCCCTACAACACAGACCACGCACAGAA TAGCGTGACGGCGCCCTCGCCCTATGCACAGCCCAGCTCCACCTTTGATGCCCTCTCCATCCCCTGCC ATTCCCTCCAACACAGATTACCCGGGCCCACACAGCTTCGATGTGTCCTTCCAGCAGTCAAGCACTGCCA AGTCAGCCACCTGGACGTATTCCACCGAACTGAAGAAGCTGTACTGCCAGATTGCGAAGACATGCCCAT CCAGATCAAGGTGATGACCCCACCCC

GAGCATGTCACCGAGGTTGTGAAACGATGCCCTAACCATGAGCTGAGCCGTGAGTTCAATGAGGGACAGA TTGCCCCTCCCAGTCATCTGATTCGAGTAGAAGGGAACGGCATGCCCAGTATGTAGAAGATCCTATCAC GGGAAGGCAGAGCGTGCTGGTCCCTTATGAGCCACCACAGGTTGGCACTGAATTCACAACAGTCCTGTAC AATTTCATGTGTAACAGCAGCTGCGTCGGAGGAGATGAACAGACGTCCAATTTTAATCATCGTTACTCTGG AAACCAGAGATGGGCAAGTCCTGGGCCGACGGTGCTTTGAGGCCCGGATCTGTGCCTAGCCAGGAAGAGA CCGGAAGGCAGATGAAGACAGCATCAGAAAGCAGCAGCAGCAGCGGCAAAGAACGGCGATGCTTTC CGTCAGAATACACACGGAATCCAGATGACCACCACCACAGAGACCCCCAGATGATGAGCTGCTG CCTACCAGTGAGAGGTCCTGGAGACGTACGAGATGTTGCTGAAGATCCAAGAGCCCAGGAGCTCATGCA GTACCTCCCTCAGCACACGATCGAAACGTACGAGCAGCAGCAGCAGCAGCAGCACCAGCACCTACTCAG AAACATCTCCTTTCAGCCTGCTTCAGGAAACGTACGGCAGCAGCAGCAGCAGCACCAGCACCTACTTCA ACCATCTCCTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCCGGGGAGAAGCTCCCGACACAGTCTG ACCTTCTTTAGACATTCCAACCCCCCAAACCACTCCGTGTACCCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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CRIGENE Trp63 (NM_001127265) Mouse Untagged Clone – MC209587

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001127265
Insert Size:	1170 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).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 001127265.1, NP 001120737.1</u>
RefSeq Size:	1717 bp
RefSeq ORF:	1170 bp
Locus ID:	22061
UniProt ID:	<u>O88898</u>
Cytogenetics:	16 17.37 cM

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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 (8) is an alternate promoter product; it lacks several 5' and 3' exons and an internal 12 nt segment, but has alternate 5' and 3' exons, as compared to variant 1. The resulting isoform (h, also known as DNp63gamma) has shorter and different N-and C-termini, and lacks internal 4 aa, as compared to isoform a.

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