

Product datasheet for **TR502327**

Trp63 Mouse shRNA Plasmid (Locus ID 22061)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Trp63 Mouse shRNA Plasmid (Locus ID 22061)
Locus ID:	22061
Synonyms:	AI462811; delta; Ket; p6; p7; p51/p; P51/P63; P63; P73I; TAp; Tp63; Trp5; Trp53rp1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Trp63 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 22061). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC090649 , BC092537 , NM_001127259 , NM_001127260 , NM_001127261 , NM_001127262 , NM_001127263 , NM_001127264 , NM_001127265 , NM_011641 , NM_001127263.1 , NM_001127259.1 , NM_001127260.1 , NM_001127261.1 , NM_011641.1 , NM_011641.2 , NM_001127262.1 , NM_001127264.1 , NM_001127265.1
UniProt ID:	O88898
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]



[View online »](#)

shRNA Design:

These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our [custom shRNA service](#).

Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).