

## Product datasheet for **TG710237**

### **Tp63 Rat shRNA Plasmid (Locus ID 246334)**

#### **Product data:**

Product Type:	shRNA Plasmids
Product Name:	Tp63 Rat shRNA Plasmid (Locus ID 246334)
Locus ID:	246334
Synonyms:	Ket; P73I; Tp73I; Trp63
Vector:	pGFP-V-RS (TR30007)
E. coli Selection:	Kanamycin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Tp63 - Rat, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 246334). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
RefSeq:	<a href="#">NM_001127339</a> , <a href="#">NM_001127341</a> , <a href="#">NM_001127342</a> , <a href="#">NM_001127343</a> , <a href="#">NM_001127344</a> , <a href="#">NM_019221</a> , <a href="#">NM_019221.1</a> , <a href="#">NM_019221.2</a> , <a href="#">NM_019221.3</a> , <a href="#">NM_001127339.1</a> , <a href="#">NM_001127341.1</a> , <a href="#">NM_001127342.1</a> , <a href="#">NM_001127343.1</a> , <a href="#">NM_001127344.1</a>
UniProt ID:	<a href="#">Q9JJP6</a>
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 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. Both alternative splicing and the use of alternative promoters result in multiple transcript variants encoding different protein isoforms.[provided by RefSeq, Dec 2009]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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**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](mailto: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).