

Product datasheet for **TL503320V**

Kcne3 Mouse shRNA Lentiviral Particle (Locus ID 57442)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Kcne3 Mouse shRNA Lentiviral Particle (Locus ID 57442)
Locus ID:	57442
Synonyms:	2210017H05Rik; MiRP2
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Kcne3 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 ⁷ TU/ml.
RefSeq:	BC004629 , NM_001190869 , NM_001190870 , NM_001190871 , NM_001190950 , NM_020574 , NM_001360466 , NM_001360467 , NM_001190950.1 , NM_001190869.1 , NM_001190870.1 , NM_001190871.1 , NM_001190871.2 , NM_020574.1 , NM_020574.2 , NM_020574.3 , NM_020574.4 , NM_020574.5
UniProt ID:	Q9WTW2
Summary:	Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Associated with KCNC4/Kv3.4 is proposed to form the subthreshold voltage-gated potassium channel in skeletal muscle and to establish the resting membrane potential (RMP) in muscle cells. Associated with KCNQ1/KCLQT1 may form the intestinal cAMP-stimulated potassium channel involved in chloride secretion that produces a current with nearly instantaneous activation with a linear current-voltage relationship.[UniProtKB/Swiss-Prot Function]
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 .



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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. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).