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Product datasheet for TL518912

Rhox3g Mouse shRNA Plasmid (Locus ID 546294)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Rhox3g Mouse shRNA Plasmid (Locus ID 546294)
Locus ID:	546294
Synonyms:	Rhox3; Rhox3.7; Rhox3f; Rhox3g-ps
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Rhox3g - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 546294). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001145406, NM_001145406.1, NM_001145406.2, NM_001145406.3, BC147475
Summary:	This gene is a member of the reproductive homeobox X-linked family (Rhox), which forms part of the superfamily of Homeobox transcription factors. Rhox family members are thought to contribute to early embryo development as well as female and male gametogenesis because they are expressed during embryogenesis and in reproductive tissues. In the mouse, this family expanded to form gene clusters categorized into alpha, beta and gamma, depending on chromosomal locations. Rhox3 paralogs are in the alpha cluster and are reported to be more highly expressed in testes compared to ovaries. This protein is missing a portion of the N-terminus compared to other Rhox3 paralogs, so its functional capacity is unclear. [provided by RefSeq, Dec 2012]
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).