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Product datasheet for TL512174V

Reg3g Mouse shRNA Lentiviral Particle (Locus ID 19695)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Reg3g Mouse shRNA Lentiviral Particle (Locus ID 19695)
Locus ID:	19695
Synonyms:	AI449515; REG-3-gamma; reg III-gamma
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Reg3g - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC061139, NM_011260, NM_011260.1, NM_011260.2, BC046602
UniProt ID:	O09049
Summary:	This gene encodes a C-type lectin that demonstrates bactericidal activity. This gene is predominantly expressed in the distal small intestine where the encoded protein undergoes proteolytic processing by trypsin. Mice lacking the encoded protein exhibit altered mucus distribution, increased bacterial contact with the epithelium, and elevated inflammatory markers in the ileum, and low-grade inflammation. [provided by RefSeq, Jun 2016]
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).