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Product datasheet for TL311578V

Ensconsin (MAP7) Human shRNA Lentiviral Particle (Locus ID 9053)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Ensconsin (MAP7) Human shRNA Lentiviral Particle (Locus ID 9053)
Locus ID:	9053
Synonyms:	E-MAP-115; EMAP115
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	MAP7 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001198608, NM_001198609, NM_001198611, NM_001198614, NM_001198615, NM_001198616, NM_001198617, NM_001198618, NM_001198619, NM_003980, NM_003980.1, NM_003980.2, NM_003980.3, NM_003980.4, NM_001198618.1, NM_001198617.1, NM_001198616.1, NM_001198611.1, NM_001198608.1, NM_001198609.1, NM_001198619.1, NM_001198615.1, NM_001198614.1, BC025777, BC025777.1
UniProt ID:	Q14244
Summary:	The product of this gene is a microtubule-associated protein that is predominantly expressed in cells of epithelial origin. Microtubule-associated proteins are thought to be involved in microtubule dynamics, which is essential for cell polarization and differentiation. This protein has been shown to be able to stabilize microtubules, and may serve to modulate microtubule functions. Studies of the related mouse protein also suggested an essential role in microtubule function required for spermatogenesis. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]
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).