

## Product datasheet for **TL309045V**

### STMN2 Human shRNA Lentiviral Particle (Locus ID 11075)

#### Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	STMN2 Human shRNA Lentiviral Particle (Locus ID 11075)
Locus ID:	11075
Synonyms:	SCG10; SCGN10
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	STMN2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 <sup>7</sup> TU/ml.
RefSeq:	<a href="#">NM_001199214</a> , <a href="#">NM_007029</a> , <a href="#">NM_007029.1</a> , <a href="#">NM_007029.2</a> , <a href="#">NM_007029.3</a> , <a href="#">NM_001199214.1</a> , <a href="#">BC006302</a> , <a href="#">BC006302.2</a> , <a href="#">NM_001199214.2</a> , <a href="#">NM_007029.4</a>
UniProt ID:	<a href="#">Q93045</a>
Summary:	This gene encodes a member of the stathmin family of phosphoproteins. Stathmin proteins function in microtubule dynamics and signal transduction. The encoded protein plays a regulatory role in neuronal growth and is also thought to be involved in osteogenesis. Reductions in the expression of this gene have been associated with Down's syndrome and Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 6. [provided by RefSeq, Nov 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 <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).