Product datasheet for TL502781V

Adamts8 Mouse shRNA Lentiviral Particle (Locus ID 30806)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Adamts8 Mouse shRNA Lentiviral Particle (Locus ID 30806)
Locus ID:	30806
Synonyms:	METH-2; METH2
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Adamts8 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_013906, NM_013906.1, NM_013906.2, NM_013906.3, BC005780, BC156802
Summary:	This gene encodes a member of "a disintegrin and metalloproteinase with thrombospondin motifs" (ADAMTS) family of multi-domain matrix-associated metalloendopeptidases that have diverse roles in tissue morphogenesis and pathophysiological remodeling, in inflammation and in vascular biology. This gene is expressed in mouse lung, heart and macrophage-rich areas of atherosclerotic plaques. The encoded preproprotein undergoes proteolytic processing to generate an active, zinc-dependent aggrecanase enzyme. This gene is located adjacent to a related ADAMTS gene on chromosome 9. [provided by RefSeq, May 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).