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Product datasheet for TL320105V

ABCA9 Human shRNA Lentiviral Particle (Locus ID 10350)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	ABCA9 Human shRNA Lentiviral Particle (Locus ID 10350)
Locus ID:	10350
Synonyms:	EST640918
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	ABCA9 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_080283, NM_172386, NM_080283.1, NM_080283.2, NM_080283.3, BC062472, BC167781, NM_080283.4
UniProt ID:	Q8IUA7
Summary:	This gene is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two transmembrane domains and two nucleotide binding folds. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). This gene is a member of the ABC1 subfamily and is clustered with four other ABC1 family members on chromosome 17q24. Transcriptional expression of this gene is induced during monocyte differentiation into macrophages and is suppressed by cholesterol import. [provided by RefSeq, Jul 2008]
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).