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Product datasheet for TR306774

AKAP9 Human shRNA Plasmid Kit (Locus ID 10142)

Product data:

Product Type:	shRNA Plasmids
Product Name:	AKAP9 Human shRNA Plasmid Kit (Locus ID 10142)
Locus ID:	10142
Synonyms:	AKAP-9; AKAP350; AKAP450; CG-NAP; HYPERION; LQT11; MU-RMS-40.16A; PPP1R45; PRKA9; YOTIAO
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	AKAP9 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 10142). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_005751, NM_147166, NM_147171, NM_147185, NM_147185.1, NM_147185.2, NM_005751.1, NM_005751.2, NM_005751.3, NM_005751.4, NM_147166.1, NM_147171.1, BC015533, BC027455, BC040932, BC062448, NM_005751.5, NM_147185.3
UniProt ID:	Q99996
Summary:	The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. Alternate splicing of this gene results in at least two isoforms that localize to the centrosome and the Golgi apparatus, and interact with numerous signaling proteins from multiple signal transduction pathways. These signaling proteins include type II protein kinase A, serine/threonine kinase protein kinase N, protein phosphatase 1, protein phosphatase 2a, protein kinase C-epsilon and phosphodiesterase 4D3. [provided by RefSeq, Aug 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).