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Product datasheet for TR307696

RASSF1 Human shRNA Plasmid Kit (Locus ID 11186)

Product data:

Product Type:	shRNA Plasmids
Product Name:	RASSF1 Human shRNA Plasmid Kit (Locus ID 11186)
Locus ID:	11186
Synonyms:	123F2; NORE2A; RASSF1A; RDA32; REH3P21
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	RASSF1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 11186). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001206957, NM_007182, NM_170712, NM_170713, NM_170714, NM_170715, NM_170716, NM_170717, NM_170712.1, NM_170712.2, NM_170713.1, NM_170713.2, NM_007182.1, NM_007182.2, NM_007182.3, NM_007182.4, NM_170714.1, NM_001206957.1, NM_170715.1, NM_170716.1, NM_170717.1, BC110412, BC110412.1, BC117153, BC143879, BM152368, BM562405, NM_170713.3, NM_170714.2, NM_170712.3, NM_007182.5
UniProt ID:	Q9NS23
Summary:	This gene encodes a protein similar to the RAS effector proteins. Loss or altered expression of this gene has been associated with the pathogenesis of a variety of cancers, which suggests the tumor suppressor function of this gene. The inactivation of this gene was found to be correlated with the hypermethylation of its CpG-island promoter region. The encoded protein was found to interact with DNA repair protein XPA. The protein was also shown to inhibit the accumulation of cyclin D1, and thus induce cell cycle arrest. Several alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, May 2011]
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).