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Product datasheet for TR301903

RRAGB Human shRNA Plasmid Kit (Locus ID 10325)

Product data:

Product Type:	shRNA Plasmids
Product Name:	RRAGB Human shRNA Plasmid Kit (Locus ID 10325)
Locus ID:	10325
Synonyms:	bA465E19.1; RAGB
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	RRAGB - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 10325). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_006064, NM_016656, NM_001354011, NM_001354013, NR_148683, NR_148684, NR_148685, NR_148686, NR_148687, NR_148688, NR_148689, NR_148690, NR_148691, NR_148692, NM_006064.1, NM_006064.2, NM_006064.3, NM_006064.4, NM_016656.1, NM_016656.2, NM_016656.3, BC034726, BC034726.1, NM_006064.5, NM_016656.4
UniProt ID:	Q5VZM2
Summary:	Ras-homologous GTPases constitute a large family of signal transducers that alternate between an activated, GTP-binding state and an inactivated, GDP-binding state. These proteins represent cellular switches that are operated by GTP-exchange factors and factors that stimulate their intrinsic GTPase activity. All GTPases of the Ras superfamily have in common the presence of six conserved motifs involved in GTP/GDP binding, three of which are phosphate-/magnesium-binding sites (PM1-PM3) and three of which are guanine nucleotide-binding sites (G1-G3). Transcript variants encoding distinct isoforms have been identified. [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).