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Product datasheet for TR304854

ECT2 Human shRNA Plasmid Kit (Locus ID 1894)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ECT2 Human shRNA Plasmid Kit (Locus ID 1894)
Locus ID:	1894
Synonyms:	ARHGEF31
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	ECT2 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 1894). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001258315, NM_001258316, NM_018098, NM_001349094, NM_001349095, NM_001349096, NM_001349097, NM_001349098, NM_001349099, NM_001349100, NM_001349101, NM_001349102, NM_001349103, NM_001349104, NM_018098.3, NM_018098.4, NM_018098.5, NM_001258316.1, NM_001258315.1, BC112086, BC006838, BC006987, BC070038, NM_001258315.2, NM_018098.6
UniProt ID:	Q9H8V3
Summary:	The protein encoded by this gene is a guanine nucleotide exchange factor and transforming protein that is related to Rho-specific exchange factors and yeast cell cycle regulators. The expression of this gene is elevated with the onset of DNA synthesis and remains elevated during G2 and M phases. In situ hybridization analysis showed that expression is at a high level in cells undergoing mitosis in regenerating liver. Thus, this protein is expressed in a cell cycle-dependent manner during liver regeneration, and is thought to have an important role in the regulation of cytokinesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2017]
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).