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Product datasheet for TR312794

ALR (GFER) Human shRNA Plasmid Kit (Locus ID 2671)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ALR (GFER) Human shRNA Plasmid Kit (Locus ID 2671)
Locus ID:	2671
Synonyms:	ALR; ERV1; HERV1; HPO; HPO1; HPO2; HSS; MMCHD; MPMCD
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	GFER - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 2671). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_005262, NM_005262.1, NM_005262.2, BC002429, BC028348, NM_005262.3
UniProt ID:	P55789
Summary:	The hepatotrophic factor designated augmenter of liver regeneration (ALR) is thought to be one of the factors responsible for the extraordinary regenerative capacity of mammalian liver. It has also been called hepatic regenerative stimulation substance (HSS). The gene resides on chromosome 16 in the interval containing the locus for polycystic kidney disease (PKD1). The putative gene product is 42% similar to the scERV1 protein of yeast. The yeast scERV1 gene had been found to be essential for oxidative phosphorylation, the maintenance of mitochondrial genomes, and the cell division cycle. The human gene is both the structural and functional homolog of the yeast scERV1 gene. [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).