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Product datasheet for TR315618

ALF (GTF2A1L) Human shRNA Plasmid Kit (Locus ID 11036)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ALF (GTF2A1L) Human shRNA Plasmid Kit (Locus ID 11036)
Locus ID:	11036
Synonyms:	ALF
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	GTF2A1L - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 11036). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001193487, NM_006872, NM_172196, NM_006872.1, NM_006872.2, NM_006872.3, NM_006872.4, NM_001193487.1, NM_001193487.2, NM_172196.1, BC025991, BC025991.1, BC064585, NM_006872.5
UniProt ID:	Q9UNN4
Summary:	The assembly and stability of the RNA polymerase II transcription pre-initiation complex on a eukaryotic core promoter involve the effects of transcription factor IIA (TFIIA) on the interaction between TATA-binding protein (TBP) and DNA. This gene encodes a germ cell-specific counterpart of the large (alpha/beta) subunit of general transcription factor TFIIA that is able to stabilize the binding of TBP to DNA and may be uniquely important to testis biology. Alternative splicing for this locus has been observed and two variants, encoding distinct isoforms, have been identified. Co-transcription of this gene and the neighboring upstream gene generates a rare transcript (SALF), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Mar 2014]
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).