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Product datasheet for TL315688

A1CF Human shRNA Plasmid Kit (Locus ID 29974)

Product data:

Product Type:	shRNA Plasmids
Product Name:	A1CF Human shRNA Plasmid Kit (Locus ID 29974)
Locus ID:	29974
Synonyms:	ACF; ACF64; ACF65; APOBEC1CF; ASP
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	A1CF - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 29974). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001198818, NM_001198819, NM_001198820, NM_014576, NM_138932, NM_138933, NM_014576.1, NM_014576.2, NM_014576.3, NM_138932.1, NM_138932.2, NM_138933.1, NM_138933.2, NM_001198819.1, NM_001198818.1, NM_001198820.1, BC130519, BC022263, BC054873, BC144194, BC144196, NM_001370130, NM_001370131, NM_014576.4
UniProt ID:	Q9NQ94
Summary:	Mammalian apolipoprotein B mRNA undergoes site-specific C to U deamination, which is mediated by a multi-component enzyme complex containing a minimal core composed of APOBEC-1 and a complementation factor encoded by this gene. The gene product has three non-identical RNA recognition motifs and belongs to the hnRNP R family of RNA-binding proteins. It has been proposed that this complementation factor functions as an RNA-binding subunit and docks APOBEC-1 to deaminate the upstream cytidine. Studies suggest that the protein may also be involved in other RNA editing or RNA processing events. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
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).