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Product datasheet for TR316882

RNF40 Human shRNA Plasmid Kit (Locus ID 9810)

Product data:

Product Type:	shRNA Plasmids
Product Name:	RNF40 Human shRNA Plasmid Kit (Locus ID 9810)
Locus ID:	9810
Synonyms:	BRE1B; RBP95; STARING
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	RNF40 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 9810). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC011769, NM_001207033, NM_001207034, NM_001286572, NM_014771, NM_194352, NM_014771.1, NM_014771.2, NM_014771.3, NM_001207034.1, NM_001207033.1, NM_001286572.1, NM_001286572.2, BC011769.2, BC018647, BC018647.2, BC004527, BC006133, BC030802, BC113827, BM682766
UniProt ID:	O75150
Summary:	The protein encoded by this gene contains a RING finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein was reported to interact with the tumor suppressor protein RB1. Studies of the rat counterpart suggested that this protein may function as an E3 ubiquitin-protein ligase, and facilitate the ubiquitination and degradation of syntaxin 1, which is an essential component of the neurotransmitter release machinery. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]
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).