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Product datasheet for TR300823

TRIM68 Human shRNA Plasmid Kit (Locus ID 55128)

Product data:

Product Type:	shRNA Plasmids
Product Name:	TRIM68 Human shRNA Plasmid Kit (Locus ID 55128)
Locus ID:	55128
Synonyms:	GC109; RNF137; SS-56; SS56
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	TRIM68 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 55128). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001304496, NM_018073, NM_018073.1, NM_018073.2, NM_018073.3, NM_018073.4, NM_018073.5, NM_018073.6, NM_018073.7, BC075058, BC109063, NM_018073.8
UniProt ID:	Q6AZZ1
Summary:	This gene encodes a member of the tripartite motif-containing protein family, whose members are characterized by a "really interesting new gene" (RING) finger domain, a zinc-binding B-box motif, and a coiled-coil region. Members of this family function as E3 ubiquitin ligases and are involved in a broad range of biological processes. This gene regulates the activation of nuclear receptors, such as androgen receptor, and has been implicated in development of prostate cancer cells, where its expression increases in response to a downregulation of microRNAs. In addition, this gene participates in viral defense regulation as a negative regulator of interferon-beta. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
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).