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Product datasheet for TR512329

Ccdc84 Mouse shRNA Plasmid (Locus ID 382073)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Ccdc84 Mouse shRNA Plasmid (Locus ID 382073)
Locus ID:	382073
Synonyms:	D630044F24Rik; Gm1114
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Ccdc84 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 382073). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC096560, BC116877, BC116879, NM_201372, NR_151775, NR_151776, NM_201372.1, NM_201372.2, NM_201372.3, BC055929, BC144712, BC144713, NM_201372.4
UniProt ID:	Q4VA36
Summary:	Negative regulator of centrosome duplication. Constrains centriole number by modulating the degradation of the centrosome-duplication-associated protein SASS6 in an acetylation-dependent manner. SIRT1 deacetylates CENATAC in G1 phase, allowing for SASS6 accumulation on the centrosome and subsequent procentriole assembly. The CENATAC acetylation level is restored in mitosis by NAT10, promoting SASS6 proteasome degradation by facilitating SASS6 binding to APC/C E3 ubiquitin-protein ligase complex/FZR1. [UniProtKB/Swiss-Prot Function]
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).