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Product datasheet for SR411112

Ccdc84 Mouse siRNA Oligo Duplex (Locus ID 382073)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_201372, NR_151775, NR_151776
UniProt ID:	Q4VA36
Synonyms:	D630044F24Rik; Gm1114
Components:	Ccdc84 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 382073) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
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]

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Performance Guaranteed:

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, 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 siRNA control (quantitative RT-PCR data required).