

Product datasheet for **SR403888**

Cdkn2c Mouse siRNA Oligo Duplex (Locus ID 12580)

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_001301368 , NM_007671
UniProt ID:	Q60772
Synonyms:	C77269; INK; INK4c; p1; p18; p18-INK4c; p18-INK6; p18IN; p18INK4c
Components:	Cdkn2c (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 12580) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase (cdk) inhibitors, and contains five ankyrin repeats. This protein interacts with both Cdk4 and Cdk6 to inhibit their kinase activities, and prevent their interactions with D-type cyclins, thereby negatively regulating cell division. This gene is differentially expressed in a variety of tissues, and is cell cycle regulated. Deletion of this gene can lead to tumor growth. Maximal expression is observed at the G2/M phase. Alternative splicing and promoter usage results in multiple transcript variants. [provided by RefSeq, Aug 2014]



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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).