Product datasheet for TL516404V

Cdkn2c Mouse shRNA Lentiviral Particle (Locus ID 12580)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Cdkn2c Mouse shRNA Lentiviral Particle (Locus ID 12580)
Locus ID:	12580
Synonyms:	C77269; INK; INK4c; p1; p18; p18-INK4c; p18-INK6; p18IN; p18INK4c
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Cdkn2c - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC027026, NM_001301368, NM_007671, NM_001301368.1, NM_007671.2, NM_007671.3
UniProt ID:	Q60772
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]
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). |