

## Product datasheet for **TR510793**

### Ccnh Mouse shRNA Plasmid (Locus ID 66671)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Ccnh Mouse shRNA Plasmid (Locus ID 66671)
Locus ID:	66671
Synonyms:	6330408H09Rik; AI661354; AV102684; AW538719
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Ccnh - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 66671). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC038861</a> , <a href="#">NM_001347587</a> , <a href="#">NM_001347588</a> , <a href="#">NM_023243</a> , <a href="#">NM_023243.1</a> , <a href="#">NM_023243.2</a> , <a href="#">NM_023243.3</a> , <a href="#">NM_023243.4</a> , <a href="#">NM_023243.5</a> , <a href="#">NM_023243.6</a> , <a href="#">BM899601</a>
UniProt ID:	<a href="#">Q61458</a>
Summary:	Regulates CDK7, the catalytic subunit of the CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIH basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. Its expression and activity are constant throughout the cell cycle.[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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](mailto: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).