

Product datasheet for **TR305501**

CDC25B Human shRNA Plasmid Kit (Locus ID 994)

Product data:

Product Type:	shRNA Plasmids
Product Name:	CDC25B Human shRNA Plasmid Kit (Locus ID 994)
Locus ID:	994
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	CDC25B - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 994). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001287516 , NM_001287517 , NM_001287518 , NM_001287519 , NM_001287520 , NM_001287522 , NM_001287524 , NM_004358 , NM_021872 , NM_021873 , NM_021874 , NM_212530 , NR_136335 , NR_136336 , NM_021873.1 , NM_021873.2 , NM_021873.3 , NM_021872.1 , NM_021872.2 , NM_021872.3 , NM_004358.1 , NM_004358.2 , NM_004358.3 , NM_004358.4 , NM_001287524.1 , NM_001287522.1 , NM_001287519.1 , NM_001287520.1 , NM_001287518.1 , NM_001287517.1 , NM_001287516.1 , BC051711 , BC051711.1 , BC006395 , BC009953 , BM793120
UniProt ID:	P30305
Summary:	CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist. [provided by RefSeq, Jul 2008]
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).