Fig. S1.

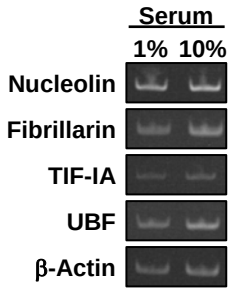

Fig. S2.

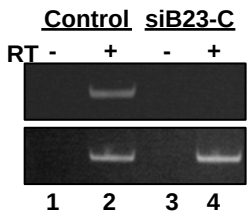

Fig. S3.

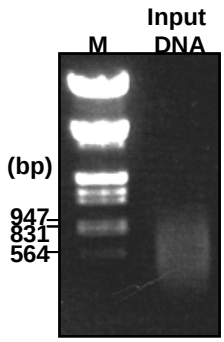

Figure legends for supplementary figures

Fig. S1

Expression level of nucleolus-related genes. 293T cells were maintained in DMEM in the presence of 1% or 10% of FBS for 72 h. The expression level of each gene was analyzed by RT-PCR. Total RNA was prepared by RNeasy mini kit (Qiagen) and RNase-free DNase I (Qiagen). RNA was subjected to reverse-transcription using ReverTra Ace (TOYOBO) with oligo dT as a primer, and the synthesized cDNA was used as a template for PCR amplification in the presence of primer sets, 5'-TGGCAGTGGAGGAAGTCTCT-3' and 5'-AACGGCATTTTGGACAACAC-3' for B23, 5'-GAAGACGGTGAAATTGATGG-3' and 5'-ACTTCGTCTTCTTTCCTTGT-3' for nucleolin, 5'-CCACACCTTCCTGCGTAATGGAGGACA-3' and 5'-TCTCTTTCATATGGCTCAAGGGTCAACTGCT-3' for fibrillarin, 5'-TGGCAGTGGAGGAAGTCTCT-3' and 5'-AACGGCATTTTGGACAACAC-3' for TIF-IA, 5'-ATGACCAAGCTGCGAGGCCCAAAC-3' and 5'-CCGCCATCTTCAGAGGAGTCCCCATTC-3' for UBF, and 5'-ATGGGTCAGAAGGATTCCTATGT-3' and 5'-GGTCATCTTCTCGCGGTT-3' for β-actin.

Fig. S2

Expression level of B23.1. mRNA of B23 isolated from HeLa cells treated with control siRNA (lanes 1 and 2) or siB23-C (lanes 3 and 4) was amplified by RT-PCR. Total RNA was prepared by RNeasy mini kit (Qiagen) and RNase-free DNase I (Qiagen). RNA was

subjected to reverse transcription using ReverTra Ace (TOYOBO) with oligo dT as a primer, and the synthesized cDNA was used as a template for PCR amplification in the presence of primer sets, 5’-TGGCAGTGGAGGAAGTCTCT-3’ and 5’-AACGGCATTTTGGACAACAC-3’ for B23 and 5’-ATGGGTCAGAAGGATTCCTATGT-3’ and 5’-GGTCATCTTCTCGCGGTT-3’ for β-actin.

Fig. S3

Size of solubilized nucleolar chromatin. DNA extracted from soluble nucleolar chromatin of HeLa cells was separated on a 1% agarose gel along with a DNA size marker. The length of reference bands in the marker lane is indicated on the left side of the panel.