



Supplement Figure 4: siActR-II reduces plasmid-overexpressed ActR-IIA protein in HeLa Cells. HeLa cells were transfected in 6-well plates with siActR-II or siCP (10nM each) using Lipofectamine (4.6 μ l/well). Cells were transfected with siRNA alone, or co-transfected with 0.91 μ g pcDNA3.1-ActR-II-myc plasmid (from Y. Sidis). After 48h, cells were washed once with PBS and lysed in SDS lysis buffer. Immunoblotting was performed for ActR-IIA and the myc tag. The migration positions of the molecular mass markers (kDa values) are shown. Total RNA was extracted from parallel wells and cDNA prepared. ActR-IIA mRNA expression was reduced by 80% in cells transfected with siRNA alone and by 65% in cells transfected with ActR-IIA-myc, compared to their Lipofectamine controls. Blots are representative of 2 separate experiments.